2017 ANNUAL OPERATING REPORT

Site:

GEIGY CHEMICAL CORPORATION CERCLA SITE ABERDEEN, MOORE COUNTY, NORTH CAROLINA COMMITTEE CORRESPONDENCE

Submitted To:

MR. JON BORNHOLM USEPA REGION IV 61 FORSYTH STREET, SW MAIL CODE: 9T25 ATLANTA, GA 30303-8960

Prepared By:

ENVIROTRAC LTD. 7343 WEST FRIENDLY AVENUE, SUITE J GREENSBORO, NC 27410 (336) 763-6025

FEBRUARY 2018



A Full Service Environmental Consulting and Contracting Firm



February 22, 2018

Mr. Jon Bornholm Remedial Project Manager USEPA Region IV 61 Forsyth Street, SW Mail Code: 9T25 Atlanta, Georgia 30303-8960

RE: 2017 Annual Operating Report
Groundwater Remediation Permit No. WQ0009949
Geigy Chemical Corporation CERCLA Site
Aberdeen, North Carolina

Dear Mr. Bornholm:

On behalf of Olin Corporation and Syngenta Crop Protection (the Companies), the purpose of this letter is to transmit the analytical results for the 2017 annual sampling event for the Geigy Chemical Corporation CERCLA Site groundwater extraction, treatment, and discharge system. Information provided in this report includes:

- Monitoring requirements summary table (Attachment 1);
- Site extraction and treatment system layout (Attachment 2);
- Monitoring event analytical summary tables (Attachment 3);
- BHC isomer trend graphs for site indicator wells and figures (Attachment 4);
- Completed copies of NCDEQ GW-59 Forms and laboratory reports with chain-ofcustody documents (Attachment 5); and
- Monthly windshield survey for new construction (Attachment 6).

The system performed as designed during 2017 and experienced minimal down-time. Over 5.5 million gallons of water was extracted and treated between December 21, 2016 and December 14, 2017, at an effective treatment efficiency of nearly 100 percent. The system is routinely shutdown for brief periods to conduct operation and maintenance activities such as replacing carbon drums, fittings, and bag filters. Well pumps, flow meters, and electrical relays were replaced without shutting down the system. Six 55-gallon drums of granular activated carbon were changed in March and the used drums were transported to Siemens for recycling/reactivation. Pumping of the Upper Black Creek Aquifer extraction wells (PW-1D, PW-2D, and PW-3D) continues to fulfill the closed-loop requirement of the Site Groundwater Remediation Permit.



BHC isomer concentration trend graphs are provided in Attachment 4. The graphs include data from the initial sampling event through the October 2017 sampling event to facilitate review of the groundwater quality monitoring data. Alpha-BHC, beta-BHC, delta-BHC, and gamma-BHC concentrations are provided on the graphs as these constituents typically represent the highest concentrations and detection frequencies among the pesticides included in the sample analyses. In reviewing the graphs, please note that monitoring wells MW-16S, MW-17S, and MW-18S are screened in the surficial aquifer to monitor the infiltration gallery. Monitoring wells MW-16D and MW-17D are screened in the Upper Black Creek aquifer and are located hydraulically upgradient of the site. The graphs generally indicate steady or decreasing trends in BHC isomer concentrations from historical levels.

Information provided in Attachment 5 of this submittal is intended to fulfill the annual reporting requirements described in Section IV, Paragraph 4 of the Site Groundwater Remediation Permit. Accordingly, one copy of this report has been sent to the North Carolina Department of Environmental Quality (NCDEQ) Division of Water Resources (DWR).

Monthly windshield surveys of properties within the BHC plume have been summarized on the Table included in Attachment 6. New construction was not observed during site reconnaissance performed in 2017.

Should you have questions regarding the report, please contact Chris Hay at (336) 763-6025.

Sincerely,

ENVIROTRAC LTD.

Gail G. Hay, P.E. Senior Engineer

Dail Hay

Christopher W. Hay, E.I.

Principal

Enclosure

Cc: Doug Rumford, NCDEQ Superfund Section, w/enc.

Michael Rogers, NCDEQ DWR, w/enc. Garland Hilliard, Olin Corporation, w/enc.

George Crouse, Syngenta, w/enc.

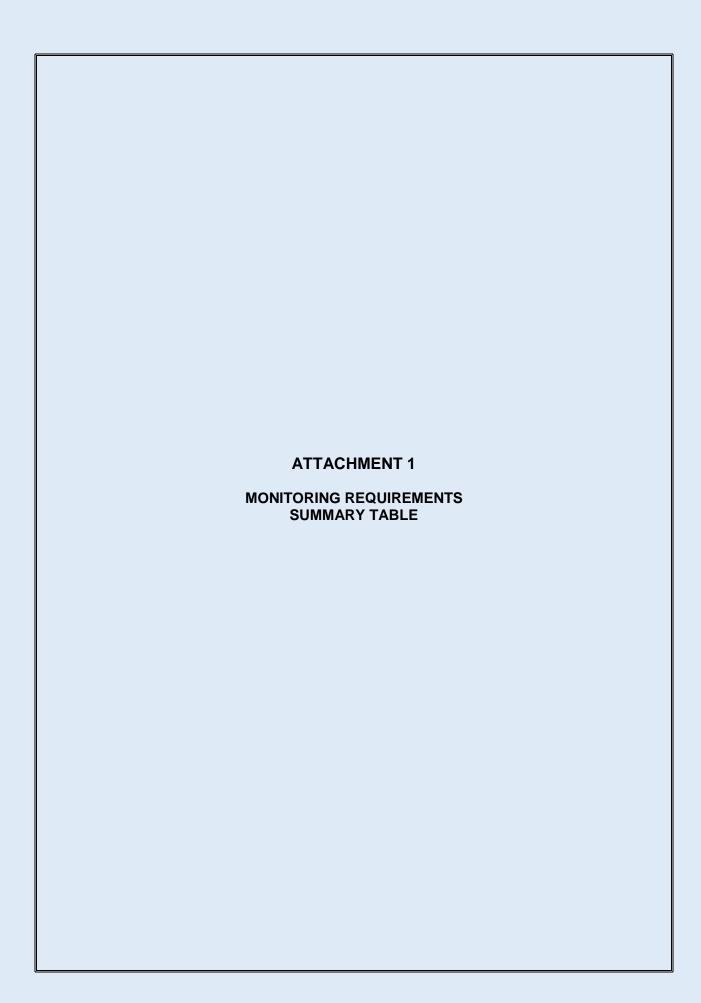
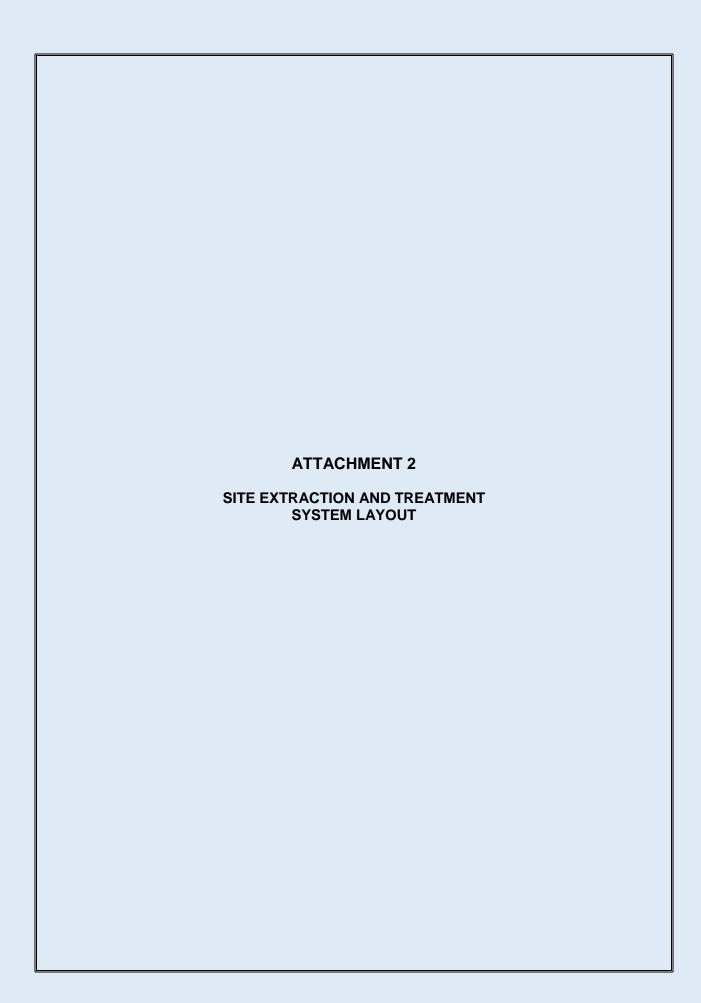


TABLE 1: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM MONITORING SCHEDULE

SAMPLE	PARAMETI	ERS	FREQUENCY					
LOCATION	TCL PESTICIDES	TCE	QUARTERLY	ANNUALLY				
MW-4S	✓			✓				
MW-5S	√			✓				
MW-6S	✓			✓				
MW-10S	✓	✓		✓				
MW-16S	✓	✓		✓				
MW-17S	✓	✓		✓				
MW-18S	✓	✓		✓				
MW-11D	✓	✓		✓				
MW-16D		✓		√				
MW-17D		✓		√				
MW-18D	✓	✓		√				
MW-20D	✓			✓				
MW-22D	✓			✓				
MW-23D	✓			✓				
MW-26D	✓			✓				
MW-30D	✓	✓		✓				
MW-22L	✓			✓				
MW-25L	✓			✓				
MW-27L	✓			✓				
MW-31L	✓			✓				
MW-32L	✓			✓				
MW-36L	✓			✓				
MW-37L	✓			✓				
MW-38L	✓			✓				
MW-39L	✓			✓				
MW-40L	✓			✓				
PZ-2	✓			✓				
PZ-3	✓			✓				
PZ-5	✓			√				
Influent	✓	✓	√					
Effluent	✓	✓	√					
Carbon Train A	✓	✓	✓					
Carbon Train B	✓	✓	✓					



GREENSBORO, NORTH CAROLINA

FILE: CAD



MW-14D

MW-17D

Geigy Chemical Corporation Aberdeen, North Carolina

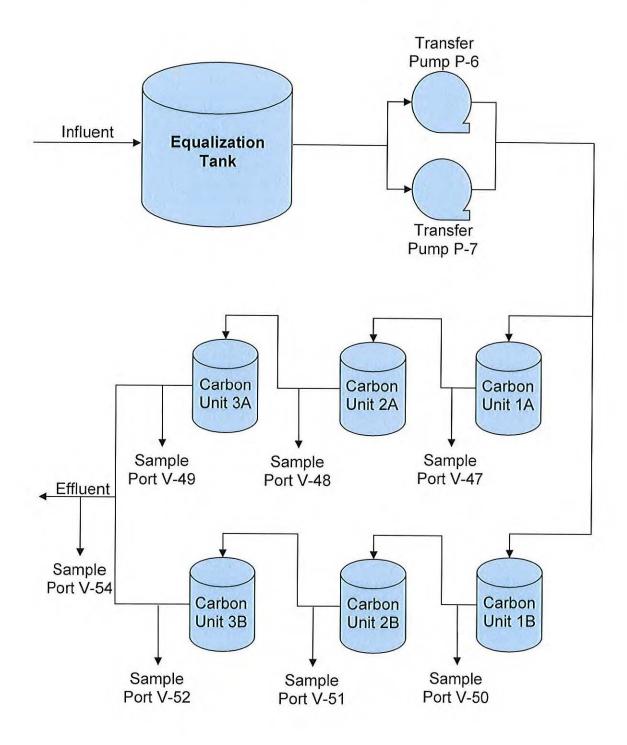
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SCALE: AS SHOWN

PROJECT NO: 11.990010.00

Figure 2
Treatment System Process Layout
Geigy Chemical Corporation Site



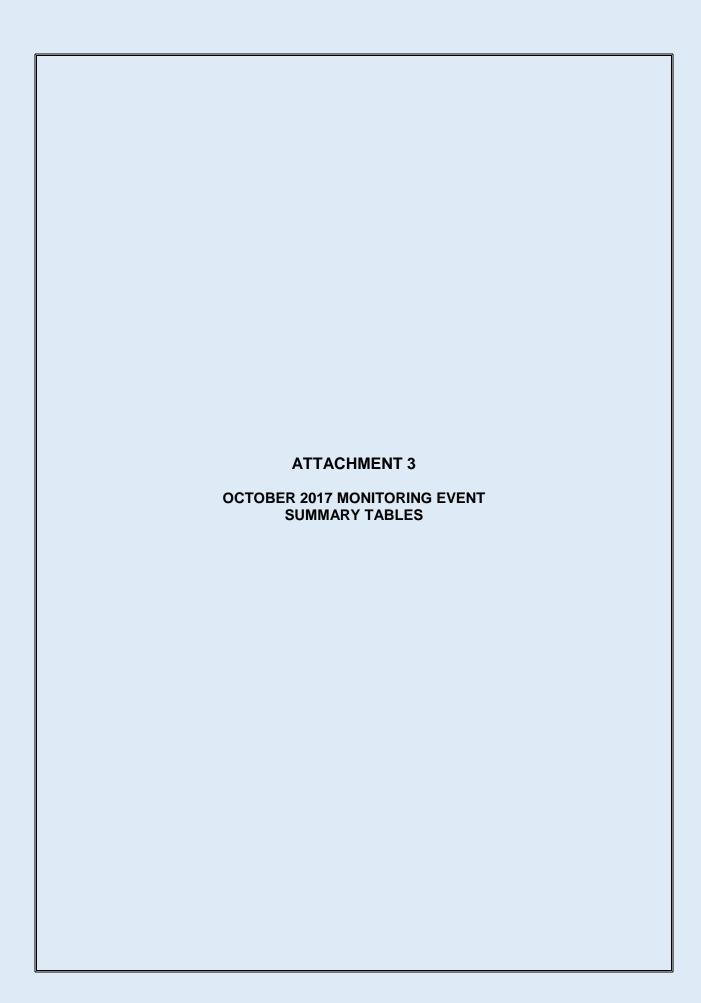


TABLE 2: UPPER BLACK CREEK AQUIFER GROUNDWATER MONITORING SUMMARY

PARAMETER	ANALYTICAL D	ATA						PERFORMANCE
SAMPLE LOCATION	MW-11D	MW-18D	MW-20D	MW-22D	MW-23D	MW-26D	MW-30D	STANDARD
DATE COLLECTED	10/03/17	10/04/17	10/03/17	10/03/17	10/03/17	10/04/17	10/03/17	STANDARD
Aldrin	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	0.05
alpha-BHC	0.016 J p	0.020 J	0.049 U	0.049 U	0.022 J	0.047 U	0.11	0.05
beta-BHC	0.96	0.41	0.049 U	0.057	0.015 J p	0.047 U	2.1	0.05
delta-BHC	0.051 U	0.052 J	0.049 U	0.024 J	0.047 U	0.047 U	0.24	0.05
gamma-BHC (Lindane)	0.013 J	0.025 J	0.049 U	0.049 U	0.014 J	0.018 J	0.061	0.2
alpha-Chlordane	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.014 J p	0.052 U	NE
gamma-Chlordane	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Dieldrin	0.051 U	0.10	0.049 U	0.049 U	0.047 U	0.047 U	0.26	0.1
4,4'-DDD	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
4,4'-DDE	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
4,4'-DDT	0.018 J	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.055	NE
Endosulfan I	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endosulfan II	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endosulfan sulfate	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endrin	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endrin aldehyde	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endrin ketone	0.11	0.066	0.049 U	0.049 U	0.047 U	0.047 U	0.26	0.1
Heptachlor	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Heptachlor epoxide	0.051 U	0.0090 J p	0.049 U	0.049 U	0.047 U	0.012 J	0.052 U	NE
Methoxychlor	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Toxaphene	5.1 U	2.5 J	4.9 U	4.9 U	4.7 U	4.7 U	5.2 U	1
Trichloroethene	1.0 U	0.58 J	NA	NA	NA	NA	1.5	**

Results are presented in micrograms per liter

J = Estimated value less than the reporting limit but greater than the method detection limit

NE = No standard established

NA = Not analyzed for this compound

U = Indicates the analyte was not detected

^{** =} Trichloroethene is not a COC for the Geigy site.

p = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

TABLE 3: LOWER BLACK CREEK AQUIFER GROUNDWATER MONITORING SUMMARY

PARAMETER	ANALYTICAL [DATA												
SAMPLE LOCATION	MW-22L	MW-25L	MW-27L	MW-31L	MW-32L	MW-36L	MW-37L	MW-38L	MW-39L	MW-40L	PZ-2	PZ-3	PZ-5	PERFORMANCE
DATE COLLECTED	10/03/17	10/04/17	10/04/17	10/03/17	10/04/17	10/04/17	10/04/17	10/03/17	10/04/17	10/04/17	10/04/17	10/04/17	10/04/17	STANDARD
Aldrin	0.048 U	0.047 U	0.047 U	0.05 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	0.05
alpha-BHC	0.13	0.43	0.63	0.24	0.048 U	0.047 U	0.58	0.047 U	0.052 U	0.29 *	0.21	0.15	0.59	0.05
beta-BHC	0.47	0.33	1.4	0.47	0.048 U	0.047 U	0.53	0.047 U	0.052 U	0.60 *	0.13	0.064	0.18	0.05
delta-BHC	0.34	0.72	1.4	0.62	0.048 U	0.047 U	1.1	0.047 U	0.052 U	1.0 *	0.17	0.098	0.31	0.05
gamma-BHC (Lindane)	0.092	0.067	0.11	0.054	0.048 U	0.047 U	0.095	0.047 U	0.052 U	0.038 J *	0.13	0.10	0.11	0.2
alpha-Chlordane	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
gamma-Chlordane	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Dieldrin	0.063	0.013 J	0.074	0.017 J	0.048 U	0.047 U	0.020 J	0.047 U	0.052 U	0.019 J *	0.012 J	0.052 U	0.048 U	0.1
4,4'-DDD	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
4,4'-DDE	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
4,4'-DDT	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endosulfan I	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endosulfan II	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endosulfan sulfate	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endrin	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endrin aldehyde	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endrin ketone	0.053	0.021 J	0.11	0.045 J	0.048 U	0.047 U	0.036 J	0.047 U	0.052 U	0.052 *	0.012 J	0.052 U	0.017 J	0.1
Heptachlor	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Heptachlor epoxide	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Methoxychlor	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Toxaphene	4.8 U	4.7 U	4.7 U	5.0 U	4.8 U	4.7 U	4.8 U	4.7 U	5.2 U	4.6 U	5.5 U	5.2 U	4.8 U	1

Results are presented in micrograms per liter

J = Estimated value less than the reporting limit but greater than the method detection limit

NE = No standard established

U = Indicates the analyte was not detected

^{* =} LCS and LCSD exceeds the control limits

TABLE 4: INFLUENT AND EFFLUENT MONITORING SUMMARY

PARAMETER	FIRST QUARTER		SECOND	QUARTER	THIRD Q	UARTER	FOURTH	QUARTER	PERFORMANCE	
SAMPLE LOCATION	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	STANDARD	
DATE COLLECTED	03/27/17	03/27/17	04/25/17	04/25/17	7/12/2017	7/12/2017	10/03/17	10/03/17	STANDARD	
Aldrin	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	0.05	
alpha-BHC	0.044 J	0.049 U	0.047 J	0.050 U	0.049	0.048 U	0.030 J	0.048 U	0.05	
beta-BHC	2.8	0.049 U	2.1	0.017 J	2.6	0.053	2.0	0.028 J	0.05	
delta-BHC	0.44	0.049 U	0.35	0.050 U	0.38	0.048 U	0.34	0.048 U	0.05	
gamma-BHC (Lindane)	0.04 J	0.049 U	0.046 J	0.050 U	0.039 J	0.048 U	0.030 J	0.048 U	0.2	
alpha-Chlordane	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
gamma-Chlordane	0.049 U	0.049 U	0.054	0.050 U	0.071	0.048 U	0.047 U	0.048 U	NE	
Dieldrin	0.46	0.049 U	0.38	0.05 U	0.44	0.012 J	0.33	0.048 U	0.1	
4,4'-DDD	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
4,4'-DDE	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
4,4'-DDT	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Endosulfan I	0.052	0.049 U	0.038 Jp	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Endosulfan II	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Endosulfan sulfate	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Endrin	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Endrin aldehyde	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Endrin ketone	0.34	0.049 U	0.26	0.05 U	0.35	0.013 J	0.22	0.048 U	0.1	
Heptachlor	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Heptachlor epoxide	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Methoxychlor	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE	
Toxaphene	4.1 Jp	4.9 U	6.3	5.0 U	5.0 p	4.8 U	4.1 Jp	4.8 U	1	
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**	

Results are presented in micrograms per liter

NE = No standard established

U = Indicates the analyte was not detected

J = Estimated value less than the reporting limit but greater than the method detection limit

^{** =} Trichloroethene is not a COC for the Geigy site.

p = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

TABLE 5: ON SITE GROUNDWATER MONITORING SUMMARY

PARAMETER	ANALYTICAL D	ATA											
SAMPLE LOCATION	MW-4S	MW-5S	MW-6S	MW-10S	MW-11D	MW-16S	MW-16D	MW-17S	MW-17D	MW-18S	MW-18D	MW-30D	PERFORMANCE
DATE COLLECTED	10/03/17	10/03/17	10/04/17	10/03/17	10/03/17	10/03/17	10/04/17	10/03/17	10/04/17	10/03/17	10/04/17	10/03/17	STANDARD
Aldrin	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	0.05
alpha-BHC	0.052 U	0.023 J	0.028 J	0.051 U	0.016 J p	0.048 U	NA	0.047 U	NA	0.052 U	0.020 J	0.11	0.05
beta-BHC	0.052 U	2.8	2.4	0.078	0.96	0.048 U	NA	0.047 U	NA	0.052 U	0.41	2.1	0.05
delta-BHC	0.05 U	0.14	0.16	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.052 J	0.24	0.05
gamma-BHC (Lindane)	0.052 U	0.022 J p	0.047 J	0.051 U	0.013 J	0.048 U	NA	0.047 U	NA	0.052 U	0.025 J	0.061	0.2
alpha-Chlordane	0.15 p	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
gamma-Chlordane	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Dieldrin	0.052 U	0.75	0.25	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.10	0.26	0.1
4,4'-DDD	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
4,4'-DDE	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
4,4'-DDT	0.052 U	0.053 U	0.049 U	0.051 U	0.018 J	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.055	NE
Endosulfan I	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endosulfan II	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endosulfan sulfate	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endrin	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endrin aldehyde	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endrin ketone	0.052 U	0.50	0.2	0.021 J	0.11	0.048 U	NA	0.047 U	NA	0.018 J	0.066	0.26	0.1
Heptachlor	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Heptachlor epoxide	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.009 J p	0.052 U	NE
Methoxychlor	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Toxaphene	5.2 U	6.9 p	7.5	5.1 U	5.1 U	4.8 U	NA	4.7 U	NA	5.2 U	2.5 J	5.2 U	1
Trichloroethene	NA	NA	NA	1.0 U	1.0 U	1.0 U	58	1.0 U	170	1.0 U	0.58 J	1.5	**

NE = No standard established

NA = Not analyzed for this compound

U = Indicates the analyte was not detected

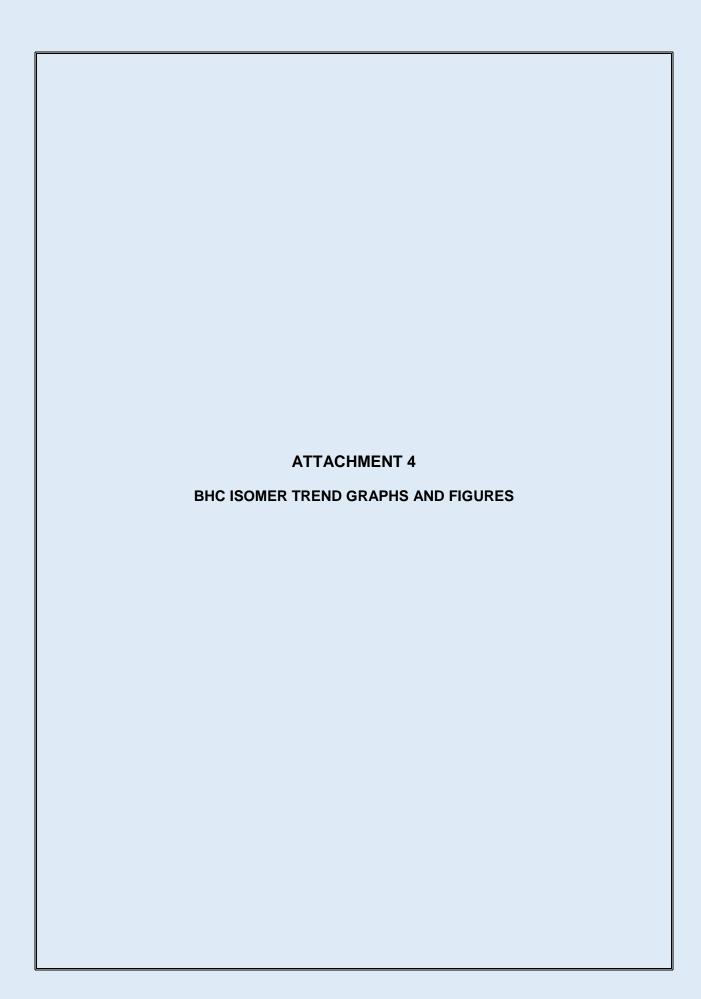
Results are presented in micrograms per liter
J = Estimated value less than the reporting limit but greater than the method detection limit

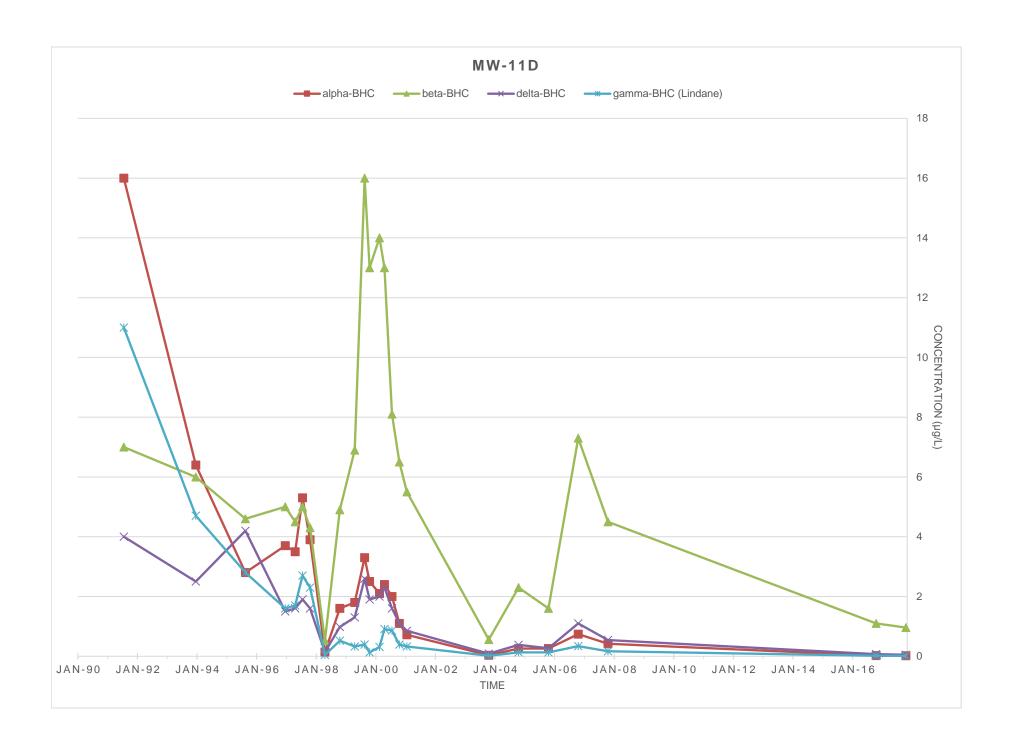
^{** =} Trichloroethene is not a COC for the Geigy site.

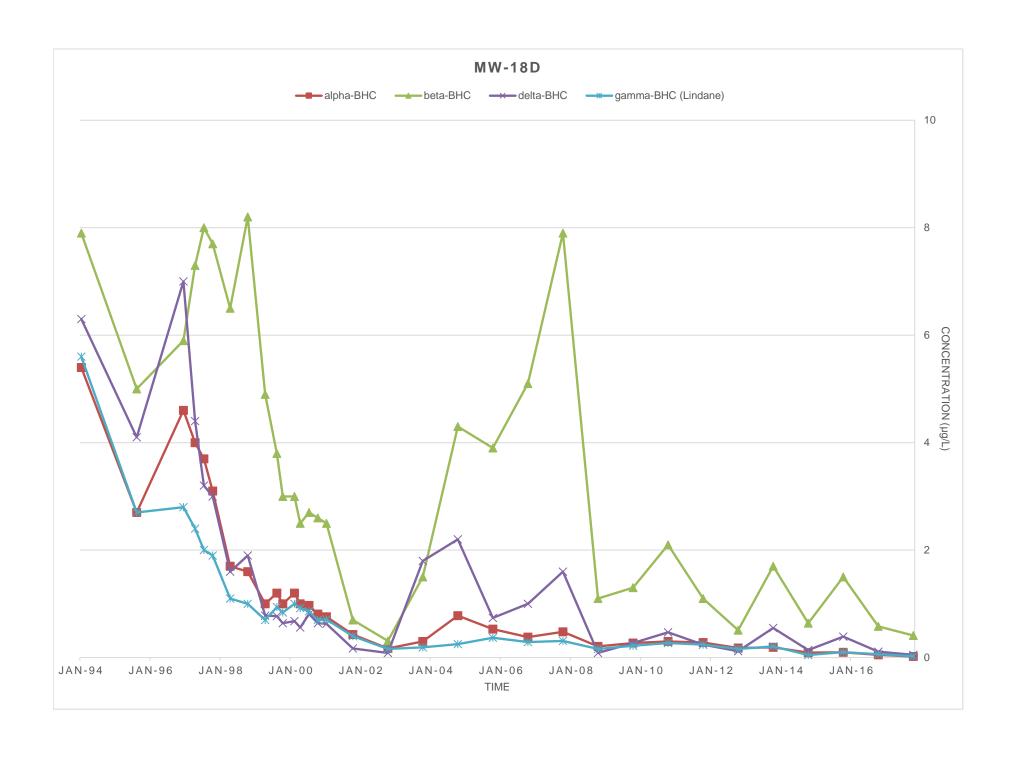
p = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

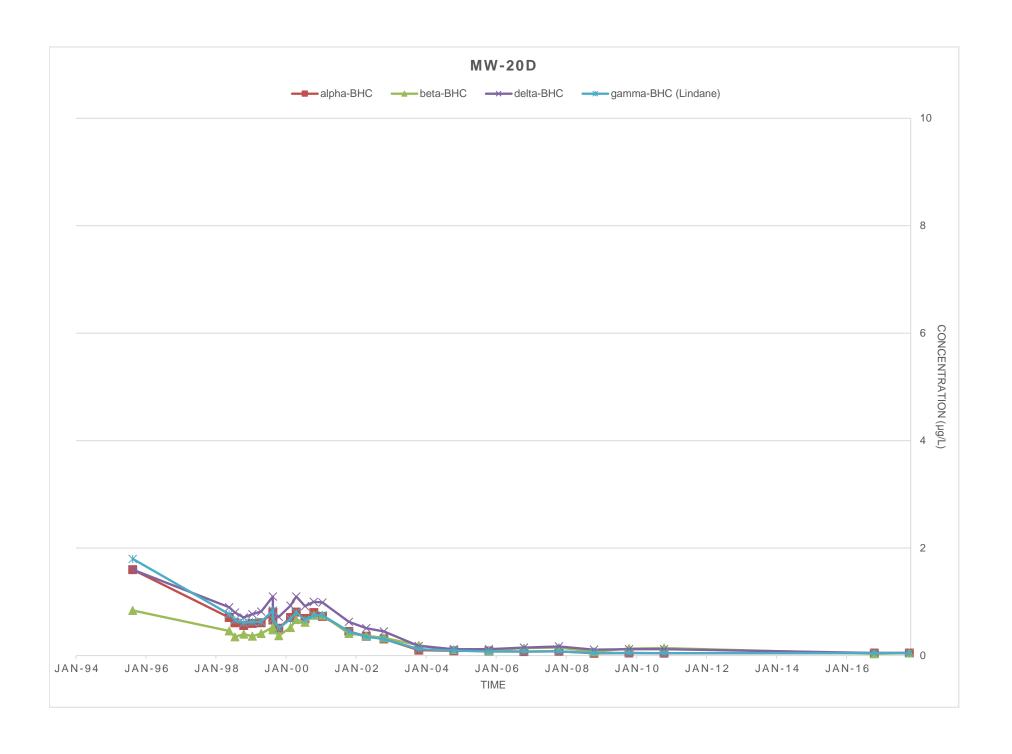
TABLE 6: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SUMMARY

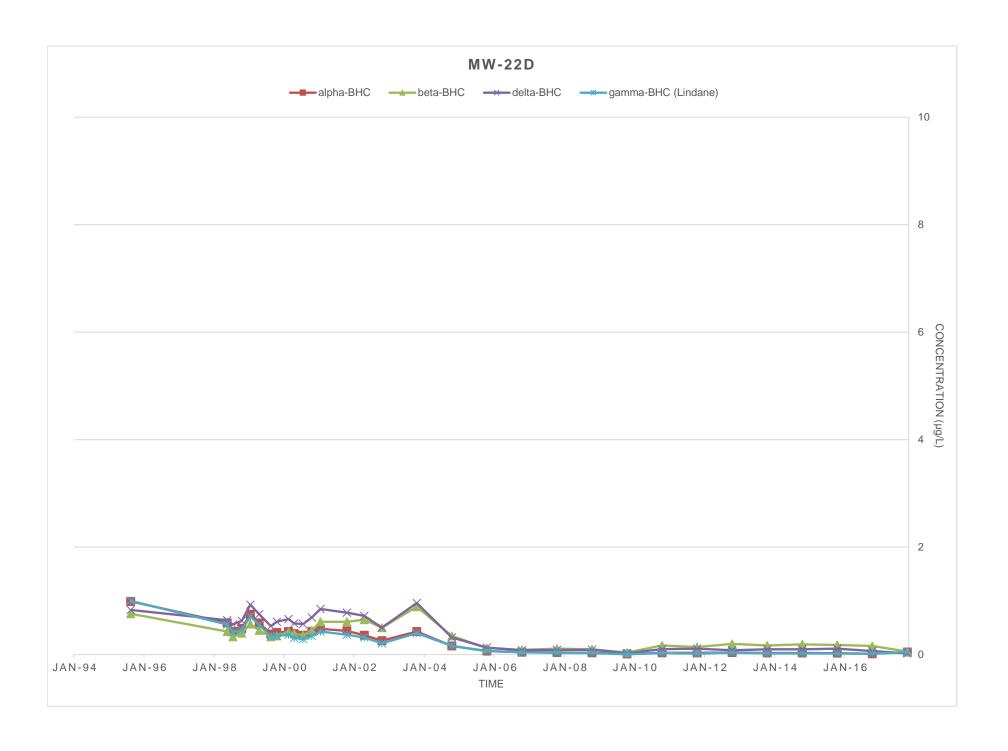
	1												
LOCATION		•	T	1	1	•	1	1	T	•	_	T	
DATE	12/21/16	01/27/17	02/28/17	03/27/17	04/25/17	05/30/17	06/26/17	07/12/17	08/23/17	09/28/17	10/03/17	11/27/17	12/14/17
PW-1S	5,888,097	5,967,926	6,029,621	6,069,475	6,125,909	6,185,401	6,215,571	6,248,721	6,328,093	6,354,724	6,359,118	6,361,469	6,390,590
PW-1D	65,284,971	65,549,949	65,773,741	65,915,024	66,209,340	66,565,013	66,734,432	66,884,895	67,256,669	67,386,085	67,400,767	67,409,812	67,589,681
PW-2S	1,661,379	1,681,492	1,698,724	1,711,757	1,727,685	1,747,417	1,756,089	1,765,038	1,784,731	1,791,154	1,792,190	1,792,604	1,799,506
PW-2D	18,904,723	18,988,520	19,059,273	19,104,877	19,198,899	19,313,630	19,368,791	19,422,536	19,548,758	19,619,147	19,625,755	19,628,823	19,669,432
PW-3S	2,129,564	2,156,807	2,175,767	2,187,794	2,205,456	2,226,749	2,239,080	2,251,515	2,280,771	2,290,274	2,291,751	2,292,199	2,299,261
PW-3D	16,219,565	16,291,635	16,356,209	16,396,555	16,484,403	16,596,817	16,651,357	16,698,857	16,813,776	16,853,267	16,857,722	16,860,478	16,895,429
PW-4S	22,920,173	23,005,796	23,077,439	23,122,634	23,220,600	23,338,296	23,397,201	23,451,274	23,590,022	23,637,279	23,642,768	23,646,106	23,691,234
Extraction Wells	133,008,472	133,642,125	134,170,774	134,508,116	135,172,292	135,973,323	136,362,521	136,722,836	137,602,820	137,931,930	137,970,071	137,991,491	138,335,133
Treatment Building	141,398,952	142,058,166	142,611,730	142,978,839	143,670,232	144,516,500	144,929,612	145,311,033	146,248,462	146,579,678	146,619,542	146,644,328	146,949,144
Difference	8,390,480	8,416,041	8,440,956	8,470,723	8,497,940	8,543,177	8,567,091	8,588,197	8,645,642	8,647,748	8,649,471	8,652,837	8,614,011
% Difference	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%
LOCATION													
TIME PERIOD	11/17/16	12/21/16	01/27/17	02/28/17	03/27/17	04/25/17	05/30/17	06/26/17	07/12/17	08/23/17	09/28/17	10/03/17	11/27/17
TIME TERIOD	12/21/16	01/27/17	02/28/17	03/27/17	04/25/17	05/30/17	06/26/17	07/12/17	08/23/17	09/28/17	10/03/17	11/27/17	12/14/17
DAYS IN PERIOD	34	37	32	27	29	35	27	16	42	36	5	55	17
TOTAL DAYS OF OPERATION	6,713	6,750	6,782	6,809	6,838	6,873	6,900	6,916	6,958	6,994	6,999	7,054	7,071
Average Daily Volume (gallons)													_
PW-1S	2537	2,158	1,928	1,476	1,946	1,700	1,117	2,072	1,890	740	879	43	1,713
PW-1D	8,540	7,162	6,994	5,233	10,149	10,162	6,275	9,404	8,852	3,595	2,936	164	10,581
PW-2S	634	544	539	483	549	564	321	559	469	178	207	8	406
PW-2D	2,183	2,265	2,211	1,689	3,242	3,278	2,043	3,359	3,005	1,955	1,322	56	2,389
PW-3S	953	736	593	445	609	608	457	777	697	264	295	8	415
PW-3D	1,870	1,948	2,018	1,494	3,029	3,212	2,020	2,969	2,736	1,097	891	50	2,056
PW-4S	2,244	2,314	2,239	1,674	3,378	3,363	2,182	3,380	3,304	1,313	1,098	61	2,655
Extraction Wells	18,961	17,126	16,520	12,494	22,903	22,887	14,415	22,520	20,952	9,142	7,628	389	20,214
Average Flow Rate (gallons per	minute)												
PW-1S	1.76	1.50	1.34	1.03	1.35	1.18	0.78	1.44	1.31	0.51	0.61	0.03	1.19
PW-1D	5.93	4.97	4.86	3.63	7.05	7.06	4.36	6.53	6.15	2.50	2.04	0.11	7.35
PW-2S	0.44	0.38	0.37	0.34	0.38	0.39	0.22	0.39	0.33	0.12	0.14	0.01	0.28
PW-2D	1.52	1.57	1.54	1.17	2.25	2.28	1.42	2.33	2.09	1.36	0.92	0.04	1.66
PW-3S	0.66	0.51	0.41	0.31	0.42	0.42	0.32	0.54	0.48	0.18	0.21	0.01	0.29
PW-3D	1.30	1.35	1.40	1.04	2.10	2.23	1.40	2.06	1.90	0.76	0.62	0.03	1.43
PW-4S	1.56	1.61	1.55	1.16	2.35	2.34	1.52	2.35	2.29	0.91	0.76	0.04	1.84
Extraction Wells	13.17	11.89	11.47	8.68	15.90	15.89	10.01	15.64	14.55	6.35	5.30	0.27	14.04
SYSTEM TO DATE	14.63	14.62	14.60	14.58	14.59	14.60	14.59	14.59	14.60	14.55	14.55	14.44	14.43

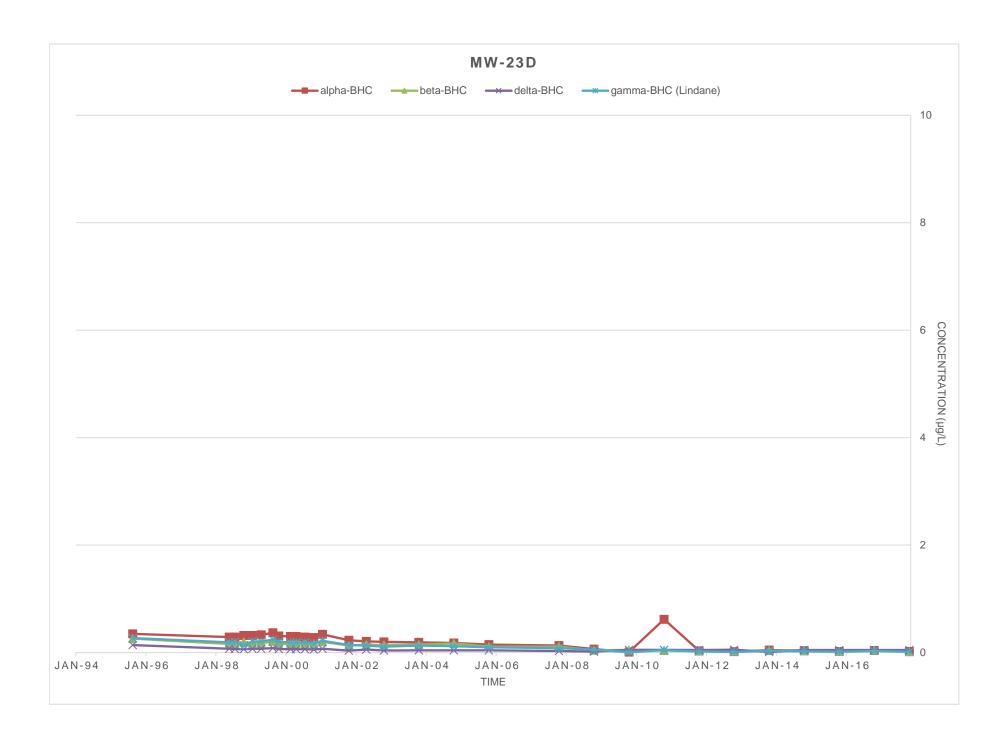


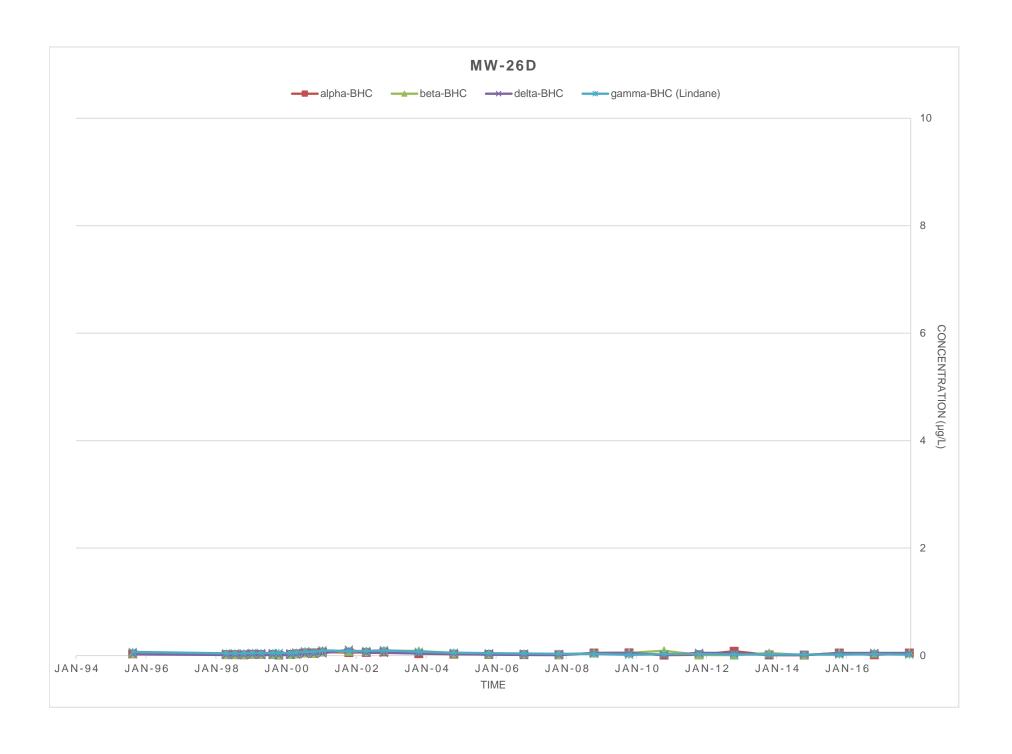


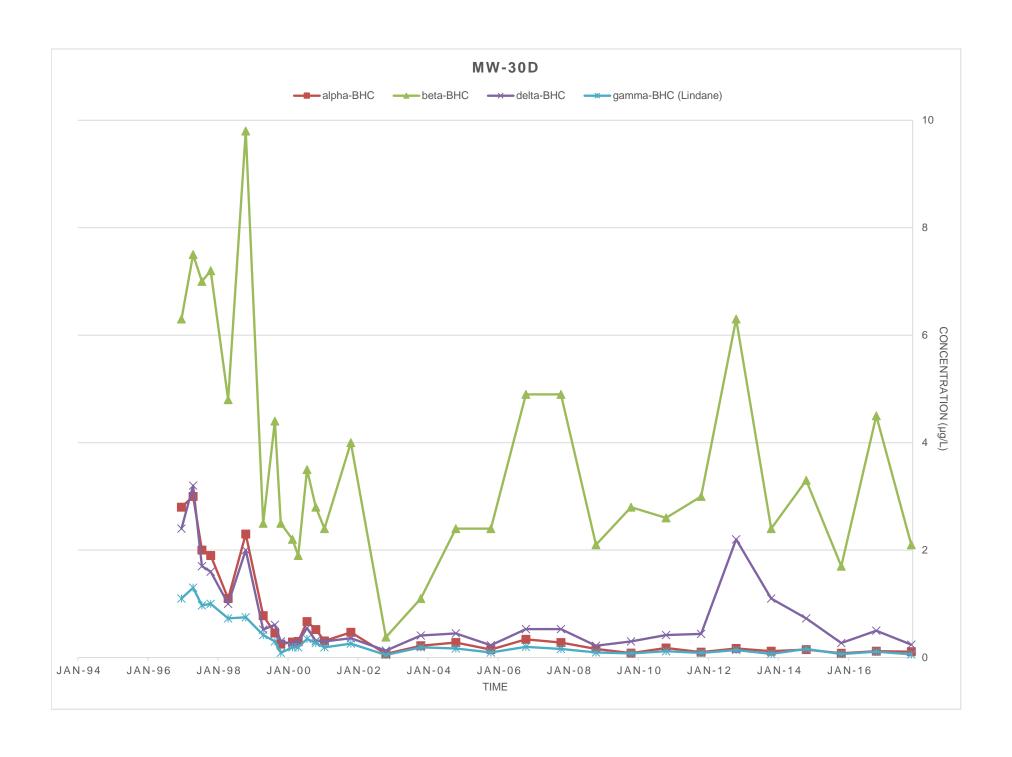


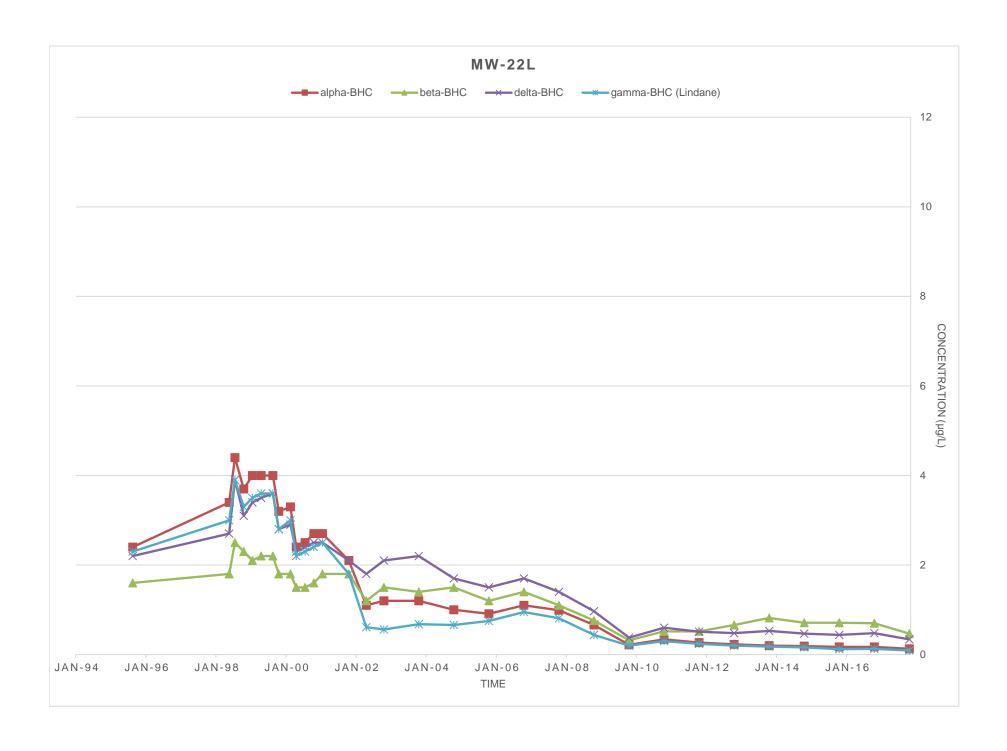


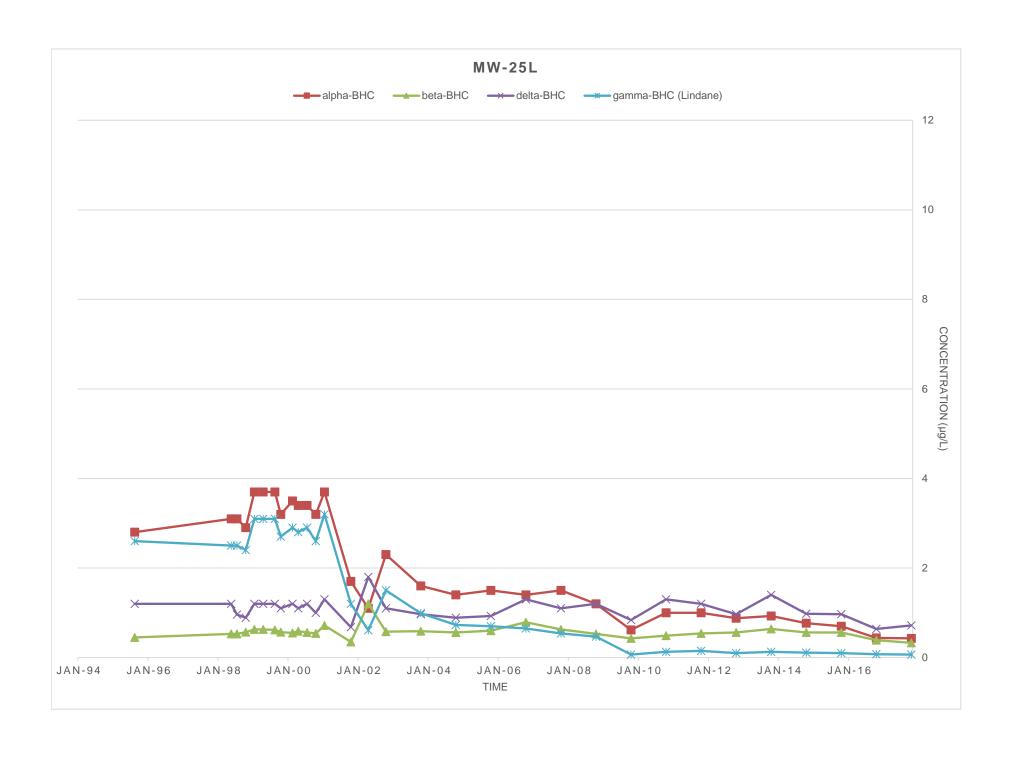


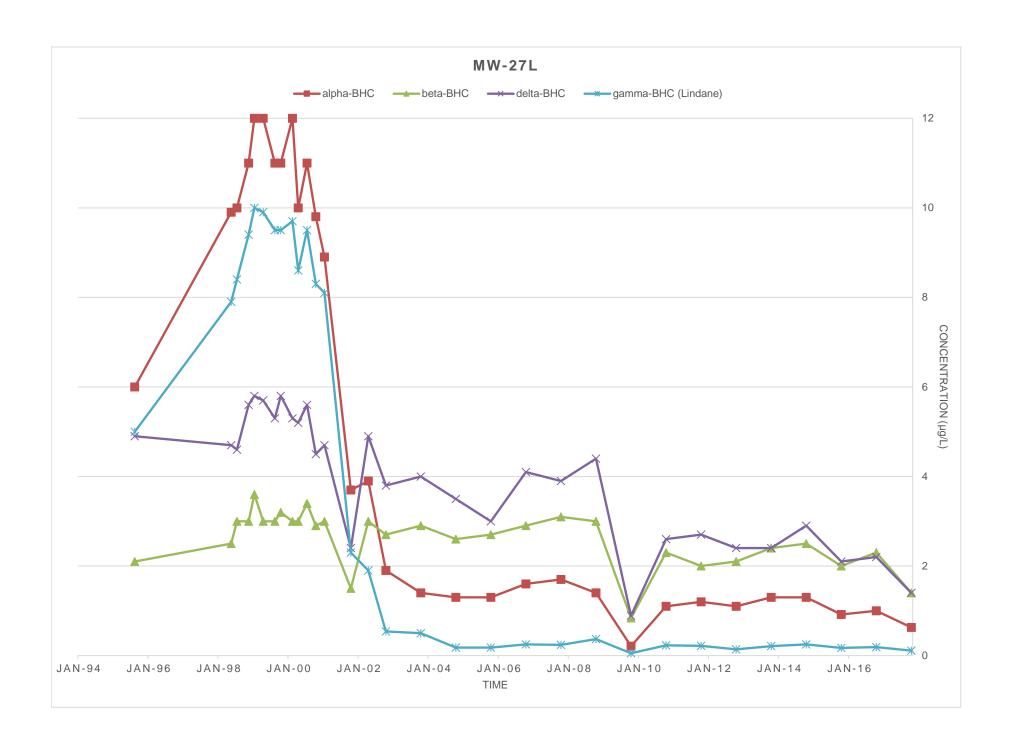


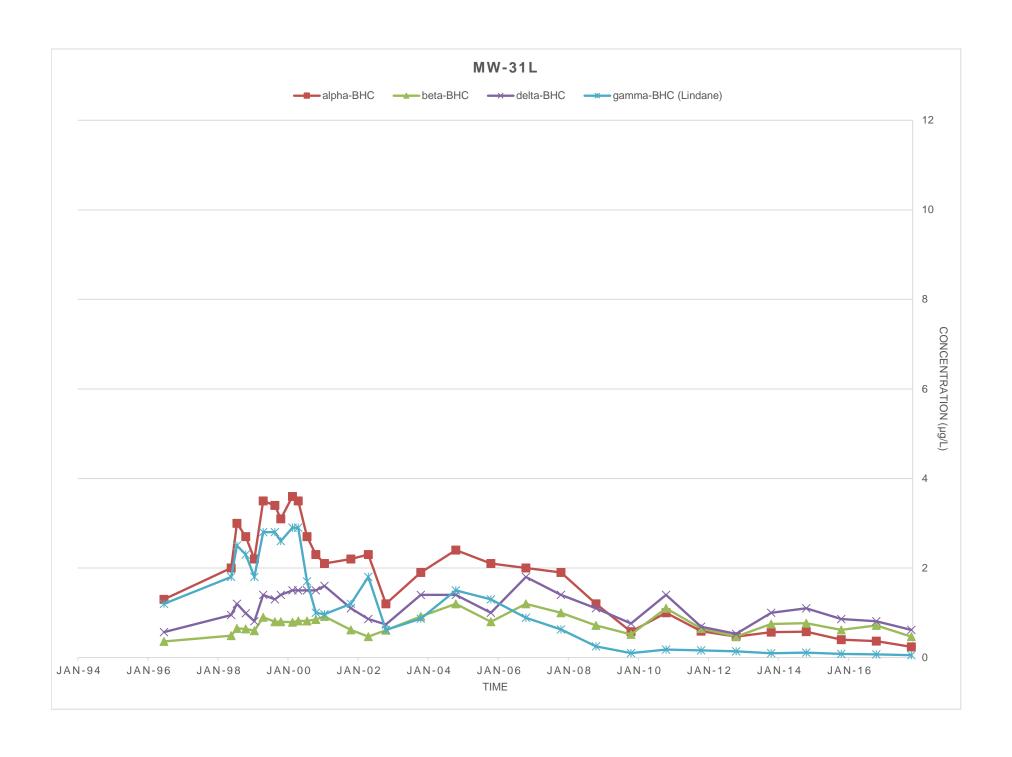


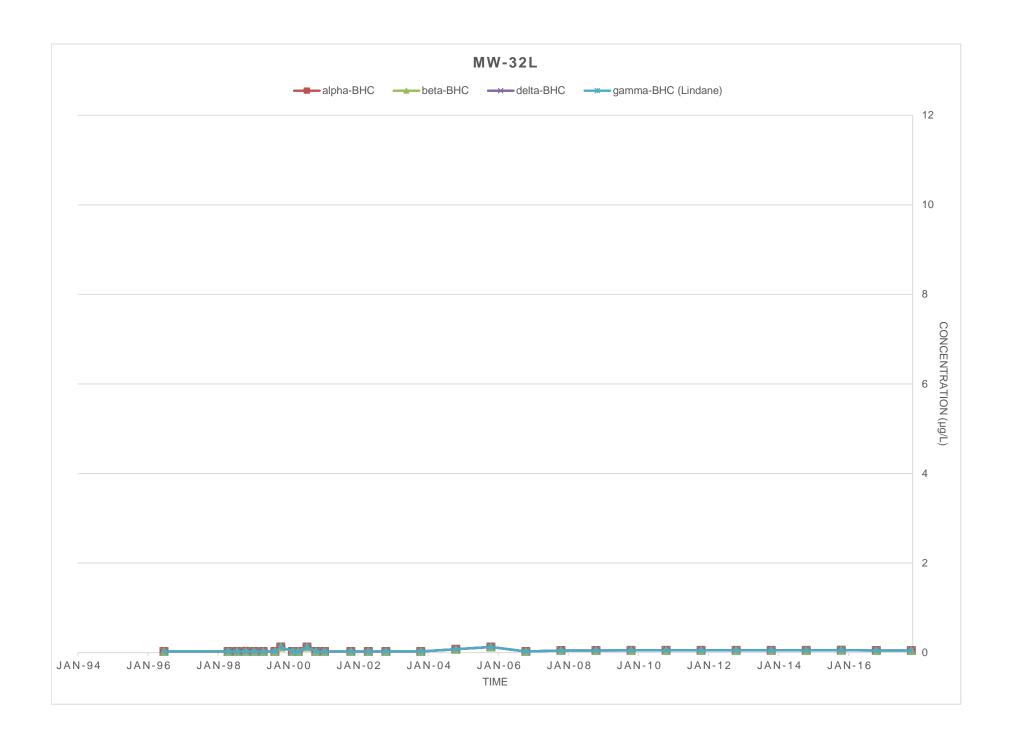


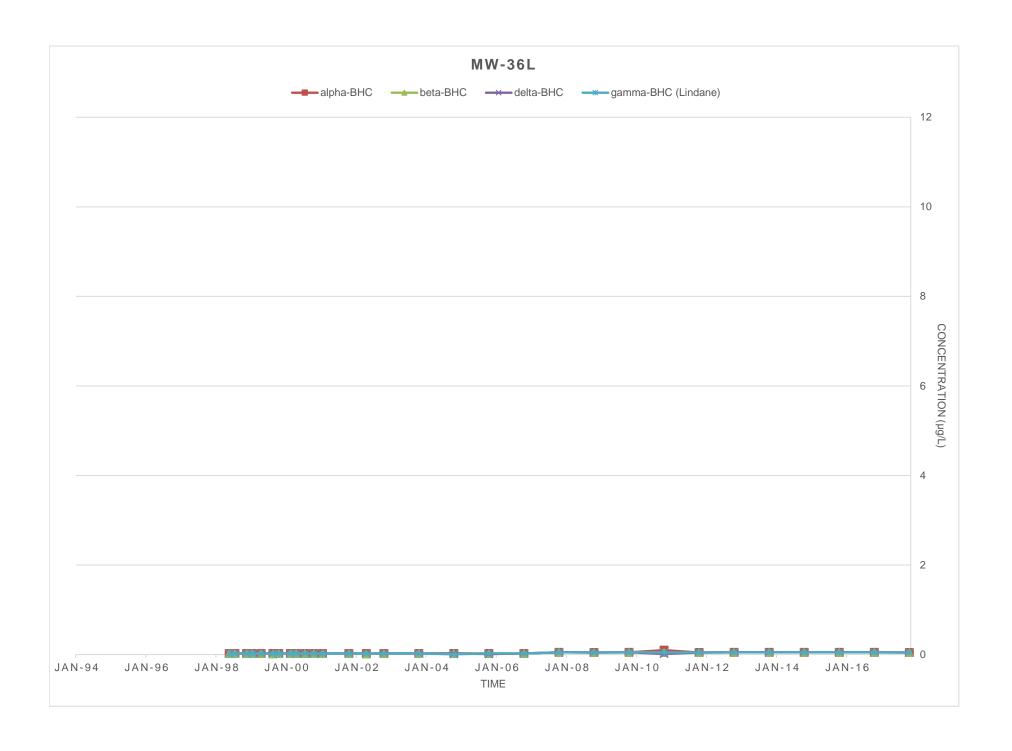


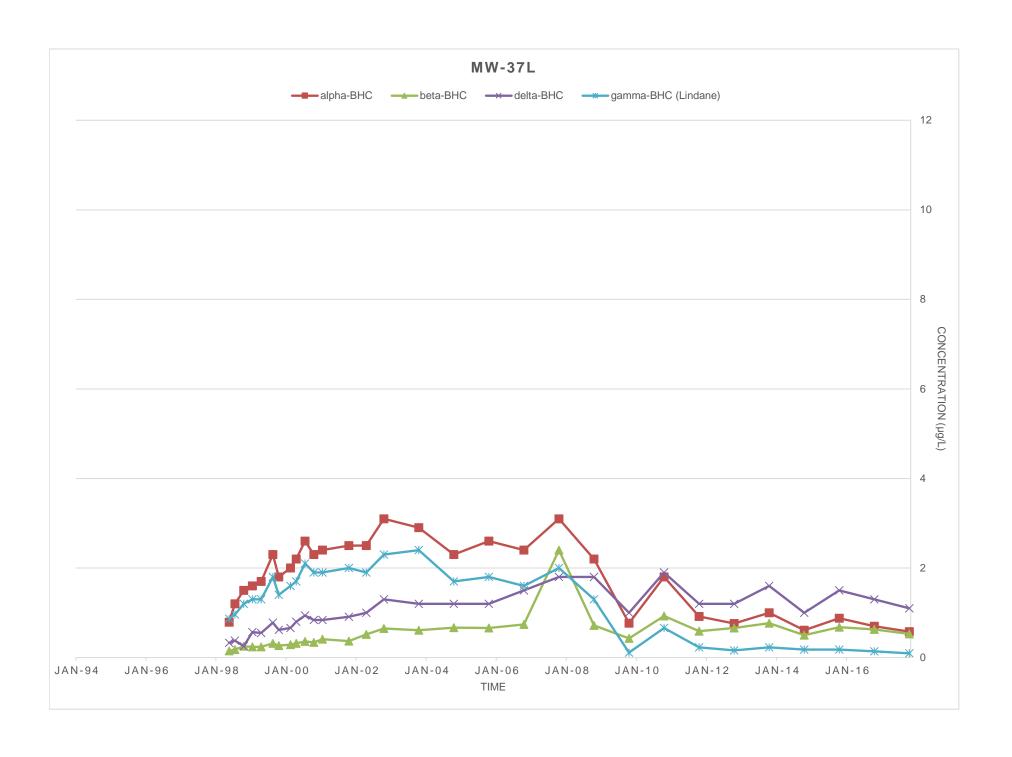


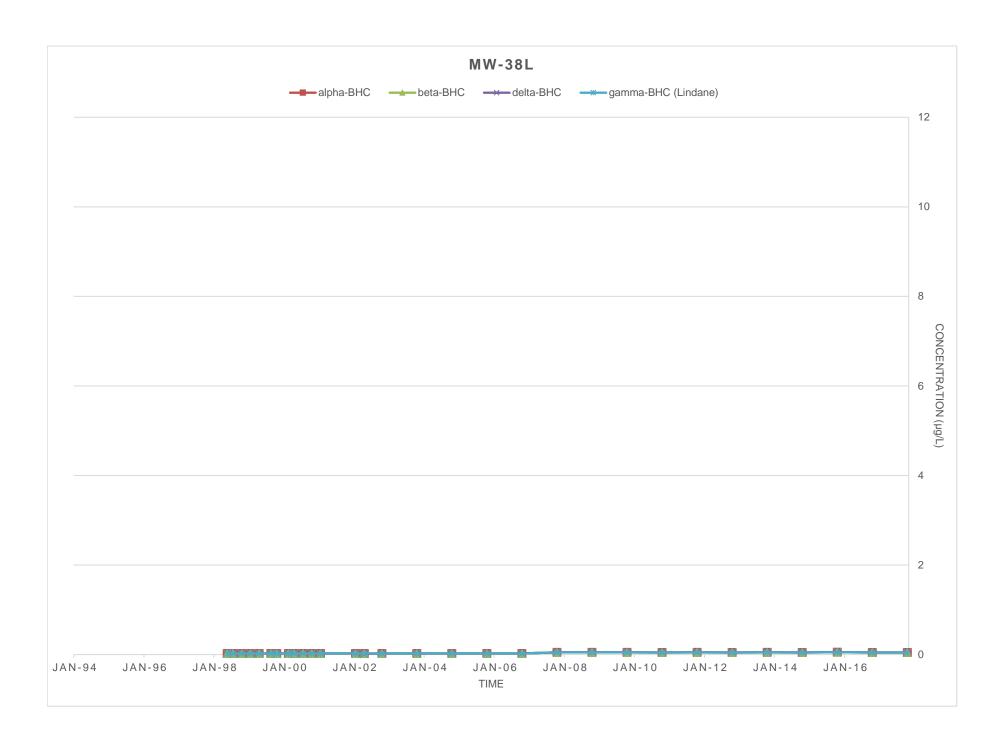


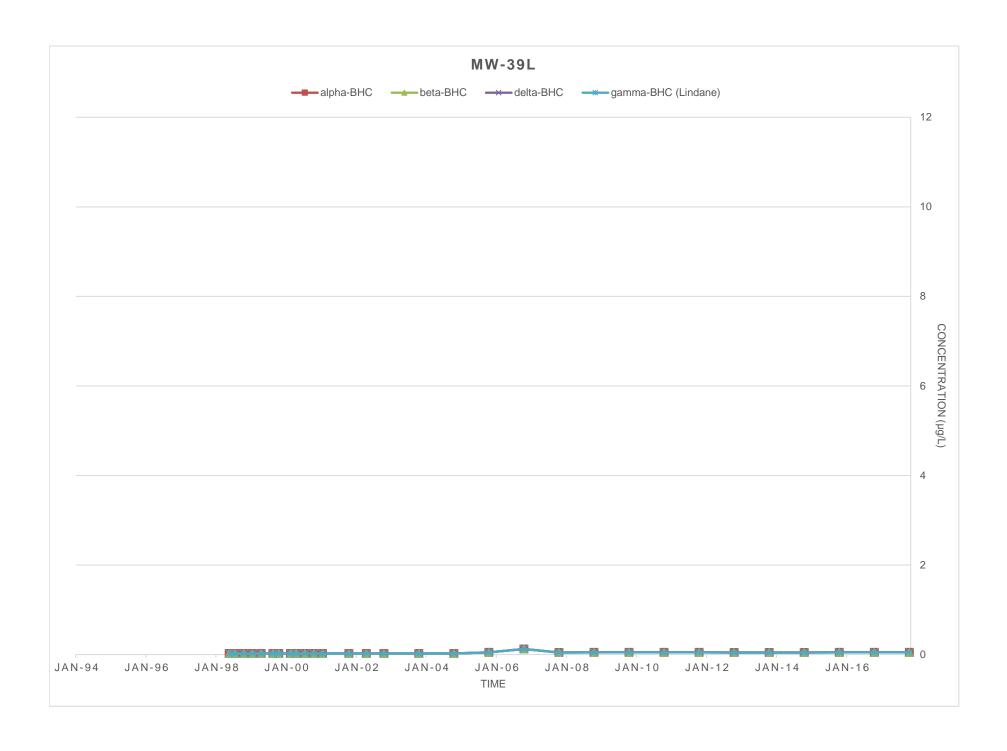


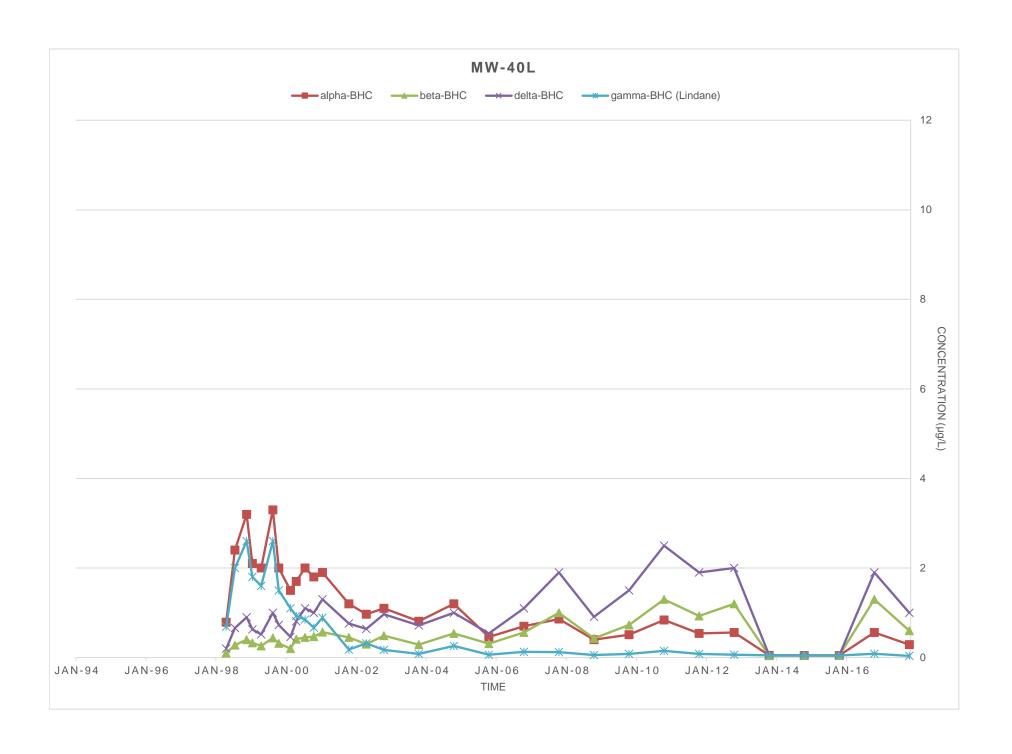


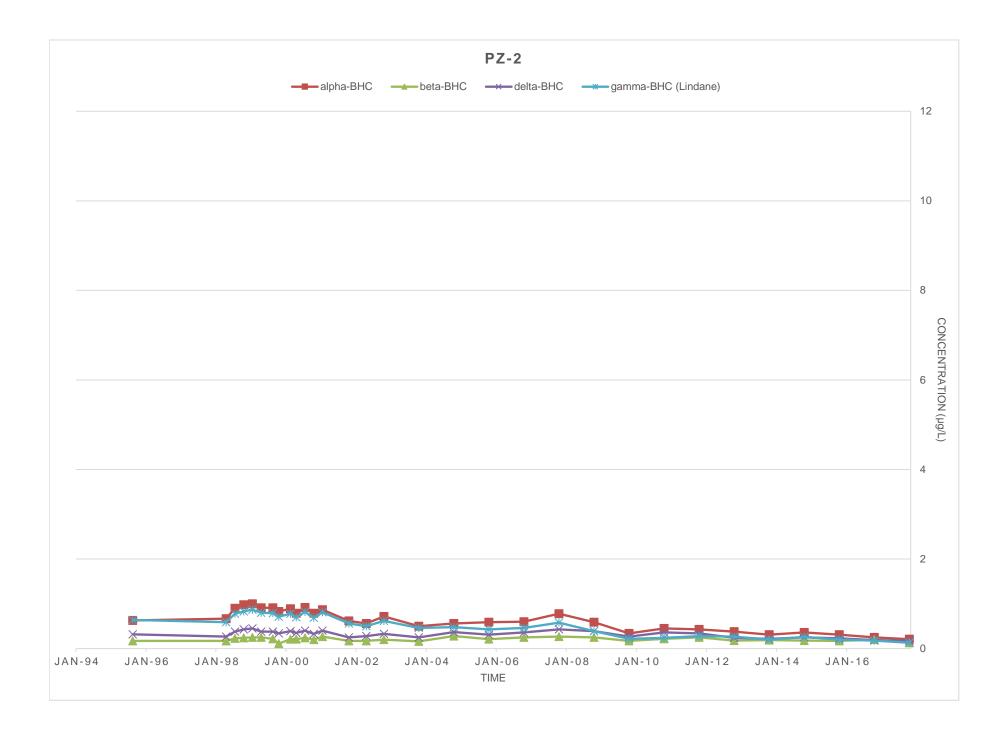


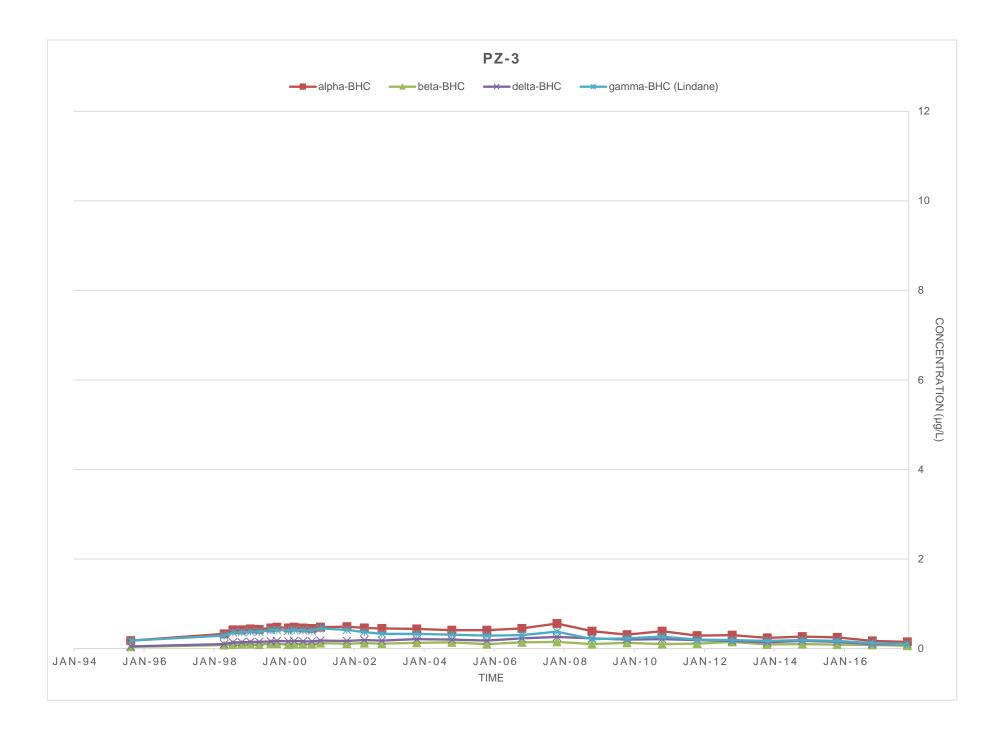


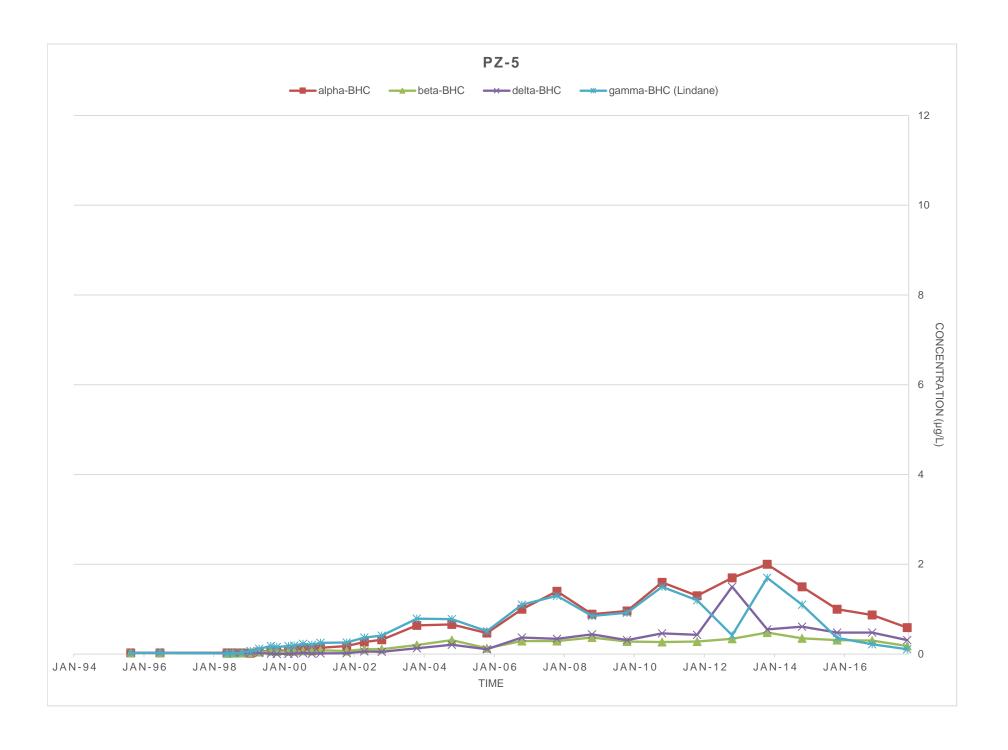


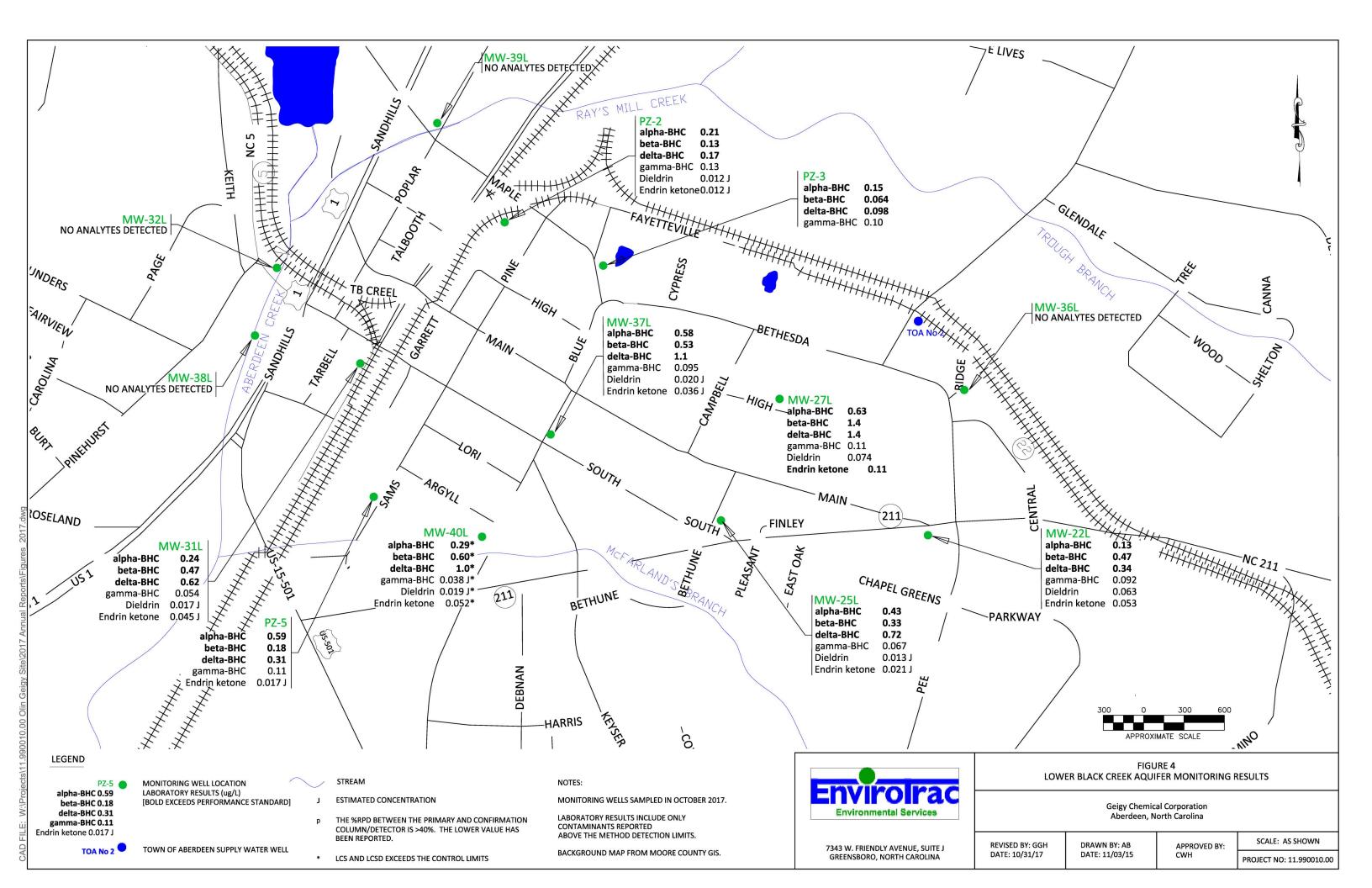


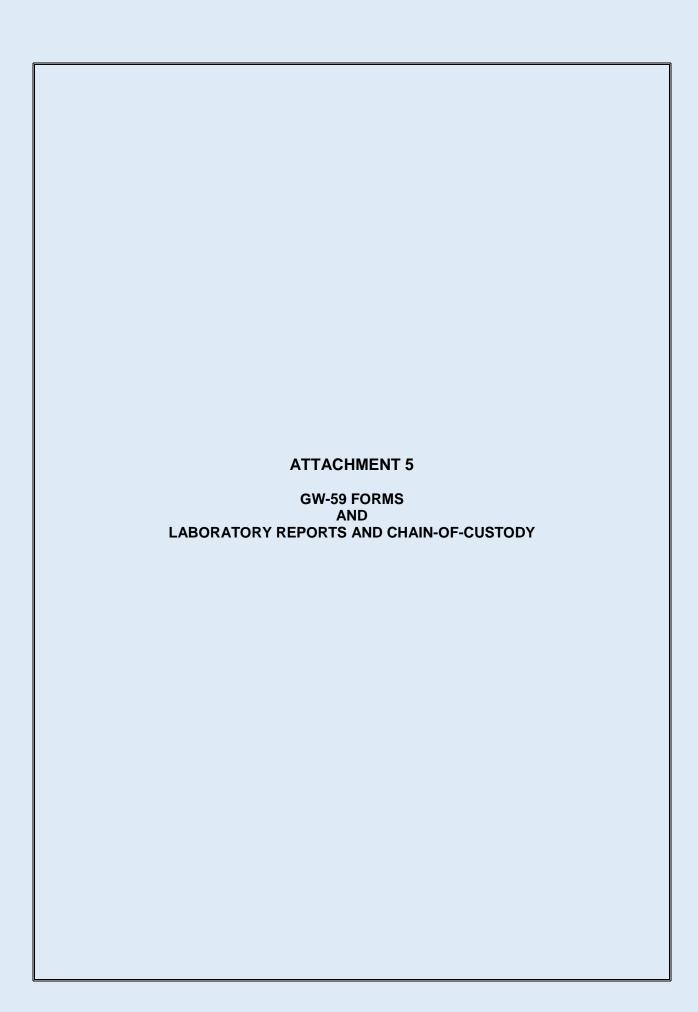












GROUNDWATER QUALI COMPLIANCE REPORT			and 1 copy to:	DEPARTMENT OF ENVIRONME DIVISION OF WATER QUALITY- 1617 MAIL SERVICE CENTER, F	NFORMATION PROC	ESSING UNIT	733-3221
FACILITY INFORMATION	Please Print C	learly or Type		PERMIT Number:		Date: 05/31/18	
	mical Corporation Site			Non-Discharge WQ00099		Date.	
Permit Name (if different):				NPDES			
Facility Address: Domino Dr	ive			TYPE OF PERMITTED OF			
Aberdeen (Street)		County Moore		☐ Lagoon		ation: Infiltration (Gallery
(City)	(State) (Zip)			☐ Spray Field		ation: Groundw	-
Contact Person: Garland Hi	lliard	Telephone#: 423.336	.4479	Rotary Distributor		oplication of Sludg	
Well Location/Site Name:				☐ Water Source Heat I	·		
			(from Permit)				
SAMPLING INFORMATION	-: Influent	Date sample collected:	3/27/17	FIELD ANALVEES.			If WELL WAS
WELL ID NUMBER (from Peri					Town	°C	DRY at
Well Depth:		Well Diameter:		pHunits		uMhos	time of
Depth to Water Level:			ft. to				sampling,
Measuring Point is Volume of water pumped/bailed		Relative M.P. Elevation:	II.	Odor			check here:
Samples for metals were collect		gallons ☐ NO and field acidified: ☐	VES DNO	Appearance			
LABORATORY INFORMATION		110 and field acidified.	TL3 LINO				
Date sample analyzed: 4/6/17	TCE, 4/4/17 PEST	Laboratory Name: Tes	t America		Certification No.	269	
PARAMETERS NOTE: Valu	es should reflect dissolved a						
COD_	mg/l	Nitrite (NO ₂) as N	mg/l		r	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	r	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P					
(Note: Use MPN method for highl	y turbid samples)	Orthophosphate					
Dissolved Solids: Total	mg/l	AI - Aluminum					_
pH (when analyzed)		Ba - Barium					_
	mg/l	Ca - Calcium			·		_
Chloride	mg/l	Cd - Cadmium		0.34, Toxaphene	4.1Jp (all ug/L))	_
	mg/l	Chromium: Total	mg/l				_
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC	GC/MS, HPLC)		
	mg/l	· · · · · · · · · · · · · · · · · · ·	mg/l				
	mg/l	Hg - Mercury			, ,	` '	
Specific Conductance	μMhos	K - Potassium	mg/l				_
Total Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls		3081B/8082A	_
(Ammonia Nitrogen; NH₃as N; Am		Mn - Manganese		·	, method # _		_
TKN as N	mg/l	Ni - Nickel	mg/l		, method # _		_
For Remediation Systems On	. ,	Influent Total VOCs: <0.00		ent Total VOCs:	<0.001 mg/L	VOC Removal%	6 <u>100</u>
		d in this report is true, accurate, and con submitting false information, including the				ods of analysis by a	
,		, ,	s possibility of files and in	mphooninon for knowing violation			
Garland Hilliard - Director	, Environmental Remediati		Signature of Bermittee (e	or Authorized Agent)		(Date)	

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM			Mail origina and 1 copy to	copy to: DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221			
FACILITY INFORMATION	Please Print Cle	early or Type			Expiration Date: 05/31/1		
	nical Corporation Site			Non-Discharge WQ0009			
Permit Name (if different):				NPDES	Other		
Facility Address: Domino Dri	ve				PERATION BEING MONITORED		
Aberdeen (Street)	NC	County Moore		☐ Lagoon	Remediation: Infiltration	n Gallery	
(City)	(State) (Zip)	County		☐ Spray Field		-	
Contact Person: Garland Hil	liard	Telephone#: 423.336	6.4479	Rotary Distributor	☐ Land Application of Slu		
Well Location/Site Name:					Pump Other:	•	
			(from Permit)		<u> </u>		
SAMPLING INFORMATION WELL ID NUMBER (from Pern	nith Influent	_ Date sample collected:	4/25/17	FIELD ANALYSES:		If WELL WAS	
Well Depth:		Well Diameter:		pHunits	0.0	DRY at	
Depth to Water Level:		Screened Interval:				time of	
Measuring Point is		Relative M.P. Elevation:		Odor		sampling, check	
Volume of water pumped/bailed		_gallons		Annogrange		here:	
Samples for metals were collect		NO and field acidified:	YES □ NO				
LABORATORY INFORMATION Date sample analyzed: 5/4/17	N TCE, 5/2/17 PEST	Laboratory Name: Tes		_	Certification No. 269		
PARAMETERS NOTE: Value COD		Nitrite (NO ₂) as N		v/I Dh Lood	ma/l		
Coliform: MF Fecal	mg/l /100ml	Nitrate (NO ₃) as N	mg mg		mg/l mg/l		
Coliform: MF Total	/100ml			<u></u>			
(Note: Use MPN method for highly		Phosphorus: Total as P Orthophosphate			pounds and Concentration Units):		
Dissolved Solids: Total	mg/l	AI - Aluminum			7J, beta-BHC 2.1, delta-BHC		
pH (when analyzed)		Ba - Barium			HC 0.046J, gamma-Chlordan		
	mg/l	Ca - Calcium			.38, Endosulfan I 0.038Jp,	<u>~</u>	
	mg/l	Cd - Cadmium			26, Toxaphene 6.3 (all ug/L)		
	mg/l	Chromium: Total					
Grease and Oils		Cu - Copper			C, GC/MS, HPLC)		
			mg	•	nethod #. ATTACH LAB REPORT	Г.)	
	mg/l	Hg - Mercury				•	
Specific Conductance		K - Potassium		y/I <u>VOC</u>	, method # <u>8260</u>		
Total Ammonia		Mg - Magnesium		Pest & Biphenyls	, method # 8081B/8082A		
(Ammonia Nitrogen; NH₃as N; Am	monia Nitrogen, Total)	Mn - Manganese			, method #		
TKN as N	mg/l	Ni - Nickel	mg	g/l	, method #		
For Remediation Systems On				luent Total VOCs:	<0.001 mg/L VOC Remova		
I certify that, to the best of my knowledge DWQ-certified laboratory. I am aware to					ed using approved methods of analysis by ns.	a	
	Environmental Remediation						
Darritta (an Authorizad Arrest) Name		<u>''' </u>	O:	(Ath	(D-4-)		

GROUNDWATER QUALIT			and 1 copy to:	DEPARTMENT OF ENVIRONMEN DIVISION OF WATER QUALITY-II 1617 MAIL SERVICE CENTER, R.	NFORMATION PROCE	SSING UNIT	733-3221
FACILITY INFORMATION	Please Print Cl	learly or Type		PERMIT Number:	•	ate: 05/31/18	
	nical Corporation Site			Non-Discharge WQ00099	·	atc	
Permit Name (if different):				NPDES			
Facility Address: Domino Driv	ve			TYPE OF PERMITTED OPI			
Aberdeen (Street)	NC	County Moore		☐ Lagoon		tion: Infiltration C	Gallery
(City)	(State) (Zip)			☐ Spray Field		tion: Groundwa	•
Contact Person: Garland Hill	iard	Telephone#: 423.336	3.4479	Rotary Distributor		lication of Sludg	
Well Location/Site Name:				☐ Water Source Heat P		-	
			(from Permit)				
SAMPLING INFORMATION	.:a. Influent	Data assessed assistants	7/12/17	FIELD ANALYCEO			If WELL WAS
WELL ID NUMBER (from Perm	-	Date sample collected:		FIELD ANALYSES:	Tama	°C	DRY at
Well Depth:		Well Diameter:		pHunits	Temp.	Mhos	time of
Depth to Water Level:			ft. to	·			sampling,
Measuring Point is Volume of water pumped/bailed		Relative M.P. Elevation:	II.	Odor			check here:
Samples for metals were collect		gallons NO and field acidified:	VES DNO	Appearance			
LABORATORY INFORMATION		110 and held acidined.	TES LINO				
Date sample analyzed: 7/19/17	7 TCE, 7/17/17 PEST	Laboratory Name: Tes	t America		Certification No.	269	
PARAMETERS NOTE: Value							
COD	mg/l	Nitrite (NO ₂) as N	mg/l		m	•	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	m	g/I	
Coliform: MF Total	/100ml	Phosphorus: Total as P					
(Note: Use MPN method for highly	turbid samples)	Orthophosphate		Other (Specify Compo	ounds and Concent	tration Units):	
Dissolved Solids: Total	mg/l	Al - Aluminum		alpha-BHC 0.049			_
pH (when analyzed)		Ba - Barium		0.38, gamma-BH0			_
	mg/l	Ca - Calcium				e 0.35,	_
Chloride	mg/l	Cd - Cadmium		Toxaphene 5.0p (all in ug/L)		_
	mg/l	Chromium: Total	mg/l				_
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC,	GC/MS, HPLC)		
	mg/l	· · · · · · · · · · · · · · · · · · ·	mg/l	(Specify test and me		•	
	mg/l	Hg - Mercury			()	` '	
Specific Conductance	μMhos	K - Potassium	mg/l	VOC			_
Total Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls			_
(Ammonia Nitrogen; NH₃as N; Amr		Mn - Manganese			, method #		_
TKN as N	mg/l	Ni - Nickel	mg/l		, method #		_
For Remediation Systems Onl		Influent Total VOCs: <0.00				VOC Removal%	<u>100</u>
		d in this report is true, accurate, and con ubmitting false information, including the				as of analysis by a	
	<u> </u>	, ,		, and the second second			
Garland Hilliard - Director,			Signature of Permittee (e	or Authorized Agent)		(Date)	

GROUNDWATER QUALITY COMPLIANCE REPORT FO			and 1 copy to:	DEPARTMENT OF ENVIRONMENT DIVISION OF WATER QUALITY-INI 1617 MAIL SERVICE CENTER. RA	「& NATURAL RESOURCES FORMATION PROCESSING UNIT LEIGH, NC 27699-1617 Phone: (919) 733-3221
FACILITY INFORMATION	Please Print Cle	early or Type		PERMIT Number:	Expiration Date: 05/31/1	•
	cal Corporation Site			Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive	<u> </u>		_		RATION BEING MONITORED	
Aberdeen (Street)	NC	County Moore		☐ Lagoon	Remediation: Infiltration	Gallery
(City)	(State) (Zip)	Countyco.c		☐ Spray Field	Remediation: Ground	
Contact Person: Garland Hillia	rd	Telephone#: _423.336	.4479	Rotary Distributor	☐ Land Application of Slu	
Well Location/Site Name:				-	mp Other:	-
Troil Espation, one Hame.		rec of wone to be can	(from Permit)	- Water Course Heat Fa		
SAMPLING INFORMATION WELL ID NUMBER (from Permit)): Influent	Date sample collected:	10/3/17	FIELD ANALYSES:		If WELL WAS
Well Depth:f	-	Well Diameter:		pHunits	Temp°C	DRY at
Depth to Water Level:f			ft. tof	· · · · · · · · · · · · · · · · · · ·		time of
Measuring Point isf		Relative M.P. Elevation:		Odor		sampling, check
Volume of water pumped/bailed be				Appearance		here:
Samples for metals were collected		NO and field acidified:	YES □NO	··		
LABORATORY INFORMATION Date sample analyzed: 10/11/17		Laboratory Name: Tes	t America	C	ertification No. 269	
PARAMETERS NOTE: Values						
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P				
,		Orthophosphate			unds and Concentration Units):	
Dissolved Solids: Total		Al - Aluminum			beta-BHC 2.0, delta-BHC	
pH (when analyzed)		Ba - Barium			0.030J, Dieldrin 0.33, Endi	<u>rin</u>
	mg/l	Ca - Calcium		ketone 0.22, Toxap	hene 4.1Jp (all in ug/L)	
Chloride		Cd - Cadmium				
Arsenic		Chromium: Total				
Grease and Oils		Cu - Copper		ORGANICS: (by GC, C		
	mg/l		mg/l		hod #. ATTACH LAB REPORT	·.)
Sulfate		Hg - Mercury		Report Attached?	()	
Specific Conductance		K - Potassium		VOC		
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammor	mg/l nia Nitrogen. Total)	Mg - Magnesium	mg/l	Pest & Biphenyls	, method # <u>8081B/8082A</u>	
		Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	_
For RemediationSystemsOnly (AttachLabReports):	Influent Total VOCs: <a><0.00	1mg/L Efflue	ent Total VOCs: <0.	001 mg/L VOC Remova	ı% <u>100</u>
I certify that, to the best of my knowledge and DWQ-certified laboratory. I am aware that					sing approved methods of analysis by a	a
,	-	, ,		The state of the s		
Garland Hilliard - Director, E			Signature of Permittee (or	r Authorized Agenth	(Data)	

GROUNDWATER QUALITOMPLIANCE REPORT			and 1 copy to:	DEPARTMENT OF ENVIRONMEN DIVISION OF WATER QUALITY-IN 1617 MAIL SERVICE CENTER, RA	IFORMATION PROC	CESSING UNIT	733-3221
FACILITY INFORMATION		Clearly or Type		PERMIT Number:		Date: 05/31/18	
	nical Corporation Site			Non-Discharge WQ00099	•	Date.	
Permit Name (if different):				NPDES			
Facility Address: Domino Dri	ve			TYPE OF PERMITTED OPE			
Aberdeen (Street)		County Moore		☐ Lagoon		iation: Infiltration C	Fallery
(City)	(State) (Zip)			☐ Spray Field		iation: Groundwa	-
Contact Person: Garland Hil	liard	Telephone#: 423.336.	.4479	Rotary Distributor		oplication of Sludg	
Well Location/Site Name:				☐ Water Source Heat P			
			(from Permit)	— Water Course Heat 1			
SAMPLING INFORMATION WELL ID NUMBER (from Pern	nit): Effluent	Date sample collected:	3/27/17	FIELD ANALYSES:			If WELL WAS
Well Depth:	- '-	Well Diameter:		pHunits	Temp.	°С	DRY at
Depth to Water Level:			ft. to			μMhos	time of
Measuring Point is		Relative M.P. Elevation:		Odor			sampling, check
Volume of water pumped/bailed	 I before sampling:	gallons		Appearance			here:
Samples for metals were collect	cted unfiltered: YES	□ NO and field acidified: □	YES NO				
LABORATORY INFORMATION Date sample analyzed: 4/6/17	TCE, 4/4/17 PEST	Laboratory Name: _Tes	st America		Certification No	269	
PARAMETERS NOTE: Value	es should reflect dissolved a			_	_		
COD_	mg/l	Nitrite (NO ₂) as N	mg/l		r	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	r	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P					
(Note: Use MPN method for highly	y turbid samples)	Orthophosphate		Other (Specify Compo		entration Units):	
Dissolved Solids: Total	mg/l	Al - Aluminum		TCE, PEST - all B	QL		_
pH (when analyzed)		Ba - Barium					_
	mg/l	Ca - Calcium					_
	mg/l	Cd - Cadmium		-			_
	mg/l	Chromium: Total					_
Grease and Oils	mg/l	Cu - Copper		ORGANICS: (by GC,			
	mg/l	· · · · · · · · · · · · · · · · · · ·	mg/l	(Specify test and me			
	mg/l	Hg - Mercury		Report Attached?	` '	, ,	
Specific Conductance		K - Potassium		VOC			_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Am	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls		8081B 8082A	
	• , ,	Mn - Manganese					_
TKN as N	mg/l	Ni - Nickel	mg/l		, method # _		-
For Remediation Systems On		Influent Total VOCs: <a><0.00			<0.001 mg/L	VOC Removal%	<u>100</u>
		ed in this report is true, accurate, and con submitting false information, including the				nods of analysis by a	
,	<u> </u>	, ,	s possibility of filles afta li	mphoeniment for knowing violations	· —		
Garland Hilliard - Director,			Signature of Bermittee (e	n Anthonio d Arrant		(Date)	

GROUNDWATER QUALITICOMPLIANCE REPORT I			Mail original and 1 copy to:	DEPARTMENT OF ENVIRONME DIVISION OF WATER QUALITY 1617 MAIL SERVICE CENTER,	INFORMATION PRO	CESSING UNIT	733-3221
FACILITY INFORMATION		Clearly or Type		PERMIT Number:		Date: 05/31/18	77 0221
	nical Corporation Site			Non-Discharge WQ0009	•	Date.	
Permit Name (if different):				NPDES			
Facility Address: Domino Dri	ve			TYPE OF PERMITTED O			
Aberdeen (Street)		County Moore	-	☐ Lagoon		liation: Infiltration (Gallery
(City)	(State) (Zip)	County		☐ Spray Field		liation: Groundw	•
Contact Person: Garland Hil	liard	Telephone#: 423.33	36.4479	Rotary Distributor		pplication of Sludg	
Well Location/Site Name:				☐ Water Source Heat			
			(from Permit)	— Traioi Godioo Ficat			
SAMPLING INFORMATION WELL ID NUMBER (from Pern	nith Effluent	Date sample collected	ы. <i>4/</i> 25/17	FIELD ANALYSES:			If WELL WAS
Well Depth:	-		r:in.	_ PHunits		°C	DRY at
Depth to Water Level:			ı:ıı. ıl:ft. to			μMhos	time of
Measuring Point is		Relative M.P. Elevation	· · · · · · · · · · · · · · · · · · ·	_ft. Spec. Cond Odor			sampling,
Volume of water pumped/bailed			111.	Appearance			check here:
Samples for metals were collect	· · · · · · · · · · · · · · · · · · ·	gallons NO and field acidified: [TYES TINO	Арреагапсе			
LABORATORY INFORMATION		No and field dolatifed.					
Date sample analyzed: 5/4/17	TCE, 5/2/17 PEST	Laboratory Name: Te	est America		Certification No.	269	
PARAMETERS NOTE: Value						_	
COD_	mg/l	Nitrite (NO ₂) as N	mg/			mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		I Zn - Zinc		mg/l	
Coliform: MF Total (Note: Use MPN method for highly	/100ml	Phosphorus: Total as P					
,	•	Orthophosphate		1 / 5110 0 0 /=		entration Units):	
Dissolved Solids: Total		Al - Aluminum		beta-BHC 0.017	J ug/L		_
pH (when analyzed)			mg/				_
	mg/l	Ca - Calcium		•			_
	mg/l	Cd - Cadmium					_
	mg/l	Chromium: Total					_
Grease and Oils			mg/				
	mg/l		mg/				
	mg/l	Hg - Mercury		•	٠,)	
Specific Conductance		K - Potassium		D + 0 D' 1 1			_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Am	mg/l	Mg - Magnesium	mg/			8081B 8082A	
			mg/		 '		_
TKN as N	mg/l	Ni - Nickel	mg/		, method #		_
For Remediation Systems On				uent Total VOCs:	<0.001 mg/L	VOC Removal%	<u>100</u>
I certify that, to the best of my knowledge DWQ-certified laboratory. I am aware to						nods of analysis by a	
,	<u> </u>	,	are possibility of files and	mproorimone for knowing violatio			
Garland Hilliard - Director,		ion	Signature of Permittee	(ou Authorized Agent)		(Date)	

GROUNDWATER QUALITY IN COMPLIANCE REPORT FOR		and 1 copy to: Mail original DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES					
FACILITY INFORMATION	Please Print Cle	early or Type		PERMIT Number:		Date: 05/31/18	
Facility Name: Geigy Chemical	Corporation Site			Non-Discharge WQ000994	•		
Permit Name (if different):				NPDES	Other		
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	RATION BEING	MONITORED	
Aberdeen (Street)	NC	County Moore		☐ Lagoon	Remedi	ation: Infiltration (Gallery
(City)	(State) (Zip)		_	☐ Spray Field	🗷 Remedi	ation: Groundw	ater
Contact Person: Garland Hilliard		Telephone#: 423.336	.4479	☐ Rotary Distributor	☐ Land Ap	oplication of Sludg	ge
Well Location/Site Name:		No. of wells to be same	npled: (from Permit)	☐ Water Source Heat Pu	ımp Dother: _		
SAMPLING INFORMATION							If WELL
WELL ID NUMBER (from Permit):	Effluent			FIELD ANALYSES:			WAS
Well Depth:ft.		Well Diameter:		pHunits	Temp.	°C	DRY at time of
Depth to Water Level:ft.		Screened Interval:	ft. to	ft. Spec. Cond.		μMhos	sampling,
Measuring Point isft.	above land surface	Relative M.P. Elevation:	ft.	Odor			check
Volume of water pumped/bailed befo			_	Appearance			here:
Samples for metals were collected u	unfiltered: YES	NO and field acidified:	YES NO				
LABORATORY INFORMATION Date sample analyzed: 7/19/17 TC		Laboratory Name: Tes	t America	C	ertification No.	269	
PARAMETERS NOTE: Values sh							
COD	mg/l	Nitrite (NO ₂) as N	mg/l			mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	r	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P					
(Note: Use MPN method for highly turbic	i sampies)	Orthophosphate		Other (Specify Compo			
Dissolved Solids: Total		Al - Aluminum		beta-BHC 0.053, D	ieldrin 0.012J	, Endrin keton	<u>e</u>
pH (when analyzed)		Ba - Barium		0.013J (all ug/L)			_
TOC		Ca - Calcium					_
Chloride		Cd - Cadmium					_
Arsenic	mg/l	Chromium: Total					_
Grease and Oils		Cu - Copper		ORGANICS: (by GC, 0			
Phenol			mg/l	(Specify test and met		•	
Sulfate		· · · · · · · · · · · · · · · · · · ·	mg/l	Report Attached?		` '	
Specific Conductance		K - Potassium		VOC			_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls		8081B 8082A	<u> </u>
		Mn - Manganese			, method # _		_
TKN as N	mg/l	Ni - Nickel			, method # _		_
For Remediation Systems Only (A	ttach Lab Reports):	Influent Total VOCs: <0.00)1 mg/L Efflue	ent Total VOCs:	<0.001 mg/L	VOC Removal%	<u> 100</u>
I certify that, to the best of my knowledge and					ising approved meth	ods of analysis by a	
DWQ-certified laboratory. I am aware that th		, ,	e possibility of fines and in	nprisonment for knowing violations.			
Garland Hilliard - Director, Env	vironmental Remediatio	<u>n</u>	Oissanting of B. W. C.	A (I : 1A)		(5.1.)	

GROUNDWATER QUALITY MO COMPLIANCE REPORT FORM		and 1 copy to: Mail original DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES				
FACILITY INFORMATION	Please Print Cle	early or Type		PERMIT Number:	Expiration Date: 05/31/18	
Facility Name: Geigy Chemical Co	orporation Site			Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive					ERATION BEING MONITORED	
Aberdeen (Street)	NC	County Moore		☐ Lagoon	☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)			☐ Spray Field	Remediation: Groundy	vater
Contact Person: Garland Hilliard		Telephone#: 423.336.	.4479	☐ Rotary Distributor	☐ Land Application of Slud	ge
Well Location/Site Name:			pled:	☐ Water Source Heat Pu	ump Other:	
SAMPLING INFORMATION			(from Permit)			If WELL
WELL ID NUMBER (from Permit): _E	Effluent	Date sample collected: _	10/3/17	FIELD ANALYSES:		WAS
Well Depth:ft.		Well Diameter:		pHunits	Temp°C	DRY at
Depth to Water Level:ft. belo	ow measuring point	Screened Interval:	ft. to f	· · · · · · · · · · · · · · · · · · ·		time of sampling,
Measuring Point isft. abo		Relative M.P. Elevation:	ft.	0.1		check
Volume of water pumped/bailed before	sampling:	_gallons		Appearance		here:
Samples for metals were collected unf i	Itered: YES	NO and field acidified:	YES 🗆 NO			
LABORATORY INFORMATION Date sample analyzed: 10/11/17 TCE PARAMETERS NOTE: Values shou		Laboratory Name: Tesi	t America		Certification No. 269	
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l			
(Note: Use MPN method for highly turbid sam	nples)	Orthophosphate	mg/l	Other (Specify Compo	ounds and Concentration Units):	
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	beta-BHC 0.028J	ug/L	
pH (when analyzed)	units	Ba - Barium	mg/l			
TOC	mg/l	Ca - Calcium	mg/l			_
Chloride		Cd - Cadmium				_
Arsenic	mg/l	Chromium: Total				
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC,	GC/MS, HPLC)	
Phenol			mg/l		thod #. ATTACH LAB REPORT.)
Sulfate			mg/l	Report Attached?		
Specific Conductance	μMhos	K - Potassium	mg/l		, method # <u>8260</u>	_
Total Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls	, method # <u>8081B 8082</u>	<u>4</u>
(Ammonia Nitrogen; NH₃as N; Ammonia Nitro	gen, rotar)	Mn - Manganese	mg/l		, method #	_
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	_
For Remediation Systems Only(Attac	. ,	Influent Total VOCs: <0.001 In this report is true, accurate, and com		nt Total VOCs: <0.0		
DWQ-certified laboratory. I am aware that there						
Garland Hilliard - Director, Enviro	nmental Remediatio	on				
Permittee (or Authorized Agent) Name and Title	- Please print or type		Signature of Permittee (or	Authorized Agent)	(Date)	

GROUNDWATER QUAL			and 1 copy to:	DEPARTMENT OF ENVIRONMEN DIVISION OF WATER QUALITY-II 617 MAIL SERVICE CENTER, R	NFORMATION PROC	CESSING UNIT	733-3221
FACILITY INFORMATION		Clearly or Type		PERMIT Number:		Date: 05/31/18	
	mical Corporation Site			Non-Discharge WQ00099	-	Date. Octo 17 10	
Permit Name (if different):				NPDES			
Facility Address: Domino Di	rive			TYPE OF PERMITTED OP			
Aberdeen (Street)		County Moore		☐ Lagoon		iation: Infiltration (Gallery
(City)	(State) (Zip)	Countyco.rc		Spray Field		iation: Groundw	•
Contact Person: Garland H	illiard	Telephone#: 423.336	5.4479	Rotary Distributor		oplication of Sludg	
Well Location/Site Name:				☐ Water Source Heat P			_
			(from Permit)	— Water Godioe Heat I			
SAMPLING INFORMATION WELL ID NUMBER (from Per	mit): Carbon A-1	Date sample collected:	3/27/17	FIELD ANALYSES:			If WELL WAS
Well Depth:	-	Well Diameter:		pHunits	Temp.	°C	DRY at
Depth to Water Level:			ft. tof	· · · · · · · · · · · · · · · · · · ·		μMhos	time of
Measuring Point is		Relative M.P. Elevation:		Odor			sampling, check
Volume of water pumped/baile	ed before sampling:	gallons		Appearance			here:
Samples for metals were colle	ected unfiltered: YES	□ NO and field acidified: □	YES NO				
LABORATORY INFORMATIO Date sample analyzed: 4/6/1	7 TCE, 4/4/17 PEST	Laboratory Name: Tes	t America		Certification No.	269	
PARAMETERS NOTE: Valu							
COD_	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead		mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zinc		mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P					
(Note: Use MPN method for high		Orthophosphate		Other (Specify Comp		entration Units):	
Dissolved Solids: Total	mg/l	Al - Aluminum		TCE, PEST - all E	BQL		_
pH (when analyzed)		Ba - Barium					_
	mg/l	Ca - Calcium					_
	mg/l	Cd - Cadmium					_
	mg/l	Chromium: Total					_
Grease and Oils	mg/l	Cu - Copper		ORGANICS: (by GC,			
	mg/l	· · · · · · · · · · · · · · · · · · ·	mg/l	(Specify test and me			
	mg/l	Hg - Mercury		Report Attached?	, ,	` '	
Specific Conductance	μMhos	K - Potassium	mg/l	VOC			_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ai	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls		8081B 8082A	<u>. </u>
	,	Mn - Manganese			, method # _		_
TKN as N	mg/l	Ni - Nickel	mg/l		, method # _		_
For Remediation Systems Or	. ,	Influent Total VOCs:					

GROUNDWATER QUALITY MC		and 1 copy to: Mail original DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES				
FACILITY INFORMATION	Please Print Cl	early or Type		PERMIT Number:	Expiration Date: 05/31/18	
Facility Name: Geigy Chemical C	orporation Site			Non-Discharge WQ000994	· · · · · · · · · · · · · · · · · · ·	
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	RATION BEING MONITORED	
Aberdeen (Street)	NC	County Moore		☐ Lagoon	☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)			☐ Spray Field	Remediation: Groundy	•
Contact Person: Garland Hilliard		Telephone#: 423.336.4	4479	☐ Rotary Distributor	☐ Land Application of Slud	
Well Location/Site Name:				☐ Water Source Heat Pu	ımp Dther:	-
			(from Permit)			If WELL
SAMPLING INFORMATION WELL ID NUMBER (from Permit):	Carbon A-1	Date sample collected:	4/25/17	FIELD ANALYSES:		WAS
Well Depth:ft.	<u> </u>	Well Diameter:		pHunits	Temp°C	DRY at
Depth to Water Level:ft. bel	ow measuring point	_	ft. tof	· · · · · · · · · · · · · · · · · · ·		time of
Measuring Point isft. abo		Relative M.P. Elevation:		<u></u>	·	sampling, check
Volume of water pumped/bailed before					_	here:
Samples for metals were collected unf		_ganone ☐ NO and field acidified: ☐ \	YES 🗆 NO			
LABORATORY INFORMATION						
Date sample analyzed: <u>5/4/17 TCE,</u>		Laboratory Name: Test	t America	C	Certification No. 269	
PARAMETERS NOTE: Values shou				DI. L I		
Coliform: ME Food	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total (Note: Use MPN method for highly turbid sai	/100ml	Phosphorus: Total as P		0.11 (0 11 0		
		Orthophosphate			unds and Concentration Units):	
Dissolved Solids: Total		Al - Aluminum		beta-BHC 0.017J เ	ug/L	_
pH (when analyzed)		Ba - Barium				_
TOC		Ca - Calcium				_
Chloride		Cd - Cadmium				_
Arsenic	mg/l	Chromium: Total		ODO4NUOO (I. 00 (00/140 LIPLO	_
Grease and Oils		Cu - Copper		ORGANICS: (by GC, C		
Phenol			mg/l	· · ·	thod #. ATTACH LAB REPORT.)
Sulfate		Hg - Mercury		Report Attached?		
Specific Conductance		K - Potassium			, method # <u>8260</u>	_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitr	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls	, method # <u>8081B 8082</u>	<u>\</u>
		Mn - Manganese	mg/l		, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Atta	ch Lab Reports):	Influent Total VOCs: <a><0.001	mg/L Efflue	nt Total VOCs: <0.	001 mg/L VOC Removal	% <u>100</u>
I certify that, to the best of my knowledge and be					using approved methods of analysis by a	
DWQ-certified laboratory. I am aware that there	are significant penalties for s	ubmitting false information, including the	possibility of fines and im	prisonment for knowing violations.		
Garland Hilliard - Director, Enviro	onmental Remediation	on				
Permittee (or Authorized Agent) Name and Title			Signature of Permittee (or	Authorized Agent)	(Date)	

GROUNDWATER QUALITY MO COMPLIANCE REPORT FORM		and 1 copy to: Mail original Department of Environment & Natural Resources				
FACILITY INFORMATION	Please Print Cle	early or Type		PERMIT Number:	Expiration Date: 05/31/1	
Facility Name: Geigy Chemical C	orporation Site			Non-Discharge WQ000994	· · · · · · · · · · · · · · · · · · ·	
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	RATION BEING MONITORED	
Aberdeen (Street)	NC	County Moore	_	☐ Lagoon	☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)			☐ Spray Field	Remediation: Ground	•
Contact Person: Garland Hilliard		Telephone#: 423.336.	4479	Rotary Distributor	☐ Land Application of Slud	
Well Location/Site Name:				☐ Water Source Heat Pu	mp Other:	_
			(from Permit)			If WELL
SAMPLING INFORMATION WELL ID NUMBER (from Permit):	Carbon A-1	Date sample collected:	7/12/17	FIELD ANALYSES:		WAS
Well Depth:ft.	<u> </u>	Well Diameter:		pHunits	Temp°C	DRY at
Depth to Water Level:ft. bel	ow measuring point	•	ft. tof	· · · · · · · · · · · · · · · · · · ·		time of
Measuring Point isft. abo		Relative M.P. Elevation:			·	sampling, check
Volume of water pumped/bailed before		•		Appearance		here:
Samples for metals were collected unf		_ganone ☐ NO and field acidified: ☐	YES □NO	, ippodranoo		
LABORATORY INFORMATION						
Date sample analyzed: 7/19/17 TCE		Laboratory Name: Tes	t America	C	ertification No. 269	
PARAMETERS NOTE: Values shou			4	DI 1	,	
COD	mg/l /100ml	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal		Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total (Note: Use MPN method for highly turbid sar	/100ml	Phosphorus: Total as P		0:1 (0 '' 0		
		Orthophosphate			unds and Concentration Units):	
Dissolved Solids: Total		Al - Aluminum		ketone 0.018J (all	Dieldrin 0.015J, Endrin	_
pH (when analyzed)		Ba - Barium		Retorie 0.0100 (all t	ug/L)	_
TOC		Ca - Calcium		-		_
Chloride		Cd - Cadmium		-		_
Arsenic	mg/l	Chromium: Total		ODO4NUOO (I 000 0	20/M0 HBLO	_
Grease and Oils		Cu - Copper		ORGANICS: (by GC, G		
Phenol			mg/l		hod #. ATTACH LAB REPORT	.)
Sulfate			mg/l	Report Attached?		
Specific Conductance		K - Potassium		VOC		_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitro	mg/l ogen, Total)	Mg - Magnesium	mg/l	Pest & Biphenyls	, method # <u>8081B 8082</u>	<u>A</u>
		Mn - Manganese			, method #	_
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attack	ch Lab Reports):	Influent Total VOCs: <a><0.00	1 mg/L Efflue	ent Total VOCs: <0	0.001 mg/L VOC Removal	ı% <u>100</u>
I certify that, to the best of my knowledge and be					sing approved methods of analysis by a	A
DWQ-certified laboratory. I am aware that there	are significant penalties for si	ubmitting false information, including the	e possibility of fines and in	nprisonment for knowing violations.		
Garland Hilliard - Director, Enviro	onmental Remediatio	on				
Permittee (or Authorized Agent) Name and Title	- Please print or type		Signature of Permittee (or	Authorized Agent)	(Date)	

GROUNDWATER QUALITY COMPLIANCE REPORT FO			and 1 copy to:		:NT & NATURAL RESOURCES -INFORMATION PROCESSING UNIT RALEIGH, NC 27699-1617 Phone: (919) 733-3221
FACILITY INFORMATION	Please Print C	learly or Type		PERMIT Number:	,	
	ical Corporation Site			Non-Discharge WQ00099		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Driv	<u>е</u>				PERATION BEING MONITORE	
Aberdeen (Street)	NC NC	County Moore		☐ Lagoon	Remediation: Infiltrat	
(City)	(State) (Zip)			☐ Spray Field	Remediation: Grou	
Contact Person: Garland Hillia	ard	Telephone#: 423.336	6.4479	Rotary Distributor	☐ Land Application of S	
Well Location/Site Name:				-	Pump Other:	-
			(from Permit)			
SAMPLING INFORMATION WELL ID NUMBER (from Permi	ω. Carbon Δ-1	Date sample collected	. 10/3/17	FIELD ANALYSES:		If WELL WAS
Well Depth:	- '	Well Diameter		pHunits	_	DRY at
Depth to Water Level:			·	· · · · · · · · · · · · · · · · · · ·	, Tomp	time of
Measuring Point is		Relative M.P. Elevation		Odor		sampling,
Volume of water pumped/bailed b			ıı.			check here:
Samples for metals were collected		ganons ☐ NO and field acidified: ☐	TYES DNO	Арреагансе		
LABORATORY INFORMATION	dumitered.		1120			
Date sample analyzed: 10/11/1		Laboratory Name: Te	st America		Certification No. 269	
PARAMETERS NOTE: Values						
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zinc	mg/l	
Coliform: MF Total (Note: Use MPN method for highly t	/100ml	Phosphorus: Total as P				
,	, ,	Orthophosphate			pounds and Concentration Units	3):
Dissolved Solids: Total		Al - Aluminum		beta-BHC 0.037	J ug/L	
pH (when analyzed)		Ba - Barium				
· · · · · · · · · · · · · · · · · · ·	mg/l	Ca - Calcium				
	mg/l	Cd - Cadmium				
	mg/l	Chromium: Total				
Grease and Oils		Cu - Copper		ORGANICS: (by GC		
	mg/l		mg/l		nethod #. ATTACH LAB REPO	•
	mg/l	Hg - Mercury		Report Attached?	()	
Specific Conductance	μMhos	K - Potassium	mg/l		, method # <u>8260</u>	
Total Ammonia (Ammonia Nitrogen; NH₃as N; Amm	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls		82A_
		Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only	(Attach Lab Reports):	Influent Total VOCs: <0.	.001 mg/L Effluei	nt Total VOCs:	0.001 mg/L VOC Remo	oval%100
I certify that, to the best of my knowledge	and belief, the information submitte	d in this report is true, accurate, and co	omplete, and that the laborat	ory analytical data was produced	d using approved methods of analysis	by a
DWQ-certified laboratory. I am aware the	at there are significant penalties for s	submitting false information, including the	he possibility of fines and im	prisonment for knowing violation	ns.	
Garland Hilliard - Director, E	Environmental Remediati	on				
Permittee (or Authorized Agent) Name a		<u>-</u>	Signature of Permittee (or	Authorized Agent)	(Data)	

GROUNDWATER QUALIT COMPLIANCE REPORT F			and 1 copy to:		NT & NATURAL RESOURCES INFORMATION PROCESSING UNIT LALEIGH, NC 27699-1617 Phone: (91	9) 733-3221
FACILITY INFORMATION	Please Print C	learly or Type		PERMIT Number:	Expiration Date: 05/31/	•
	ical Corporation Site			Non-Discharge WQ00099		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Driv	/e		_		ERATION BEING MONITORED	1
Aberdeen (Street)	NC	County Moore		☐ Lagoon	Remediation: Infiltration	
(City)	(State) (Zip)		_	☐ Spray Field	Remediation: Ground	•
Contact Person: Garland Hilli	iard	Telephone#: 423.336	4479	Rotary Distributor	☐ Land Application of Slu	
Well Location/Site Name:				•	Pump Other:	-
			(from Permit)	— Water Course Float I	ump — cuion	
SAMPLING INFORMATION WELL ID NUMBER (from Perm	iit): Carbon B-1	Date sample collected:	3/27/17	FIELD ANALYSES:		If WELL WAS
Well Depth:		Well Diameter:		pHunits	Temp°C	DRY at
Depth to Water Level:		Screened Interval:	ft. to	ft. Spec. Cond.		time of sampling,
Measuring Point is	ft. above land surface	Relative M.P. Elevation:	ft.	Odor		check
Volume of water pumped/bailed	before sampling:	gallons		Appearance		here:
Samples for metals were collect	ed unfiltered: YES	NO and field acidified:	YES 🗆 NO			
LABORATORY INFORMATION Date sample analyzed: 4/6/17	TCE, 4/4/17 PEST	Laboratory Name: Tes	t America		Certification No. 269	
PARAMETERS NOTE: Value						
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zinc	mg/l	
Coliform: MF Total (Note: Use MPN method for highly	/100ml	Phosphorus: Total as P				
	• •	Orthophosphate			ounds and Concentration Units):	
Dissolved Solids: Total		Al - Aluminum			J, beta-BHC 1.5, delta-BHC	
pH (when analyzed)		Ba - Barium		•	C 0.018Jp, Dieldrin 0.26,	
	mg/l	Ca - Calcium			6J, Endrin ketone 0.20,	
	mg/l	Cd - Cadmium		Toxaphene 3.9J (all ug/L)	
	mg/l	Chromium: Total				
Grease and Oils		Cu - Copper		ORGANICS: (by GC		
	mg/l	· · · · · · · · · · · · · · · · · · ·	mg/l		ethod #. ATTACH LAB REPOR	T.)
	mg/l	Hg - Mercury		Report Attached?	()	
Specific Conductance	μMhos	K - Potassium	mg/l	· · · · · · · · · · · · · · · · · · ·	, method # <u>8260</u>	
Total Ammonia (Ammonia Nitrogen; NH₃as N; Amm	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls		
		Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only	. ,	Influent Total VOCs:				

GROUNDWATER QUALITY MO COMPLIANCE REPORT FORM	NITORING:		and 1 copy to:		I & NATURAL RESOURCES FORMATION PROCESSING UNIT ILEIGH, NC 27699-1617 Phone: (919) 733-3221
FACILITY INFORMATION	Please Print C	learly or Type		ERMIT Number:	Expiration Date: 05/31/1	
Facility Name: Geigy Chemical C	orporation Site			Ion-Discharge WQ000994		
Permit Name (if different):				IPDES	Other	
Facility Address: Domino Drive				YPE OF PERMITTED OPE	RATION BEING MONITORED	
Aberdeen (Street)	NC	County Moore	_	☐ Lagoon	☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)		_	☐ Spray Field	Remediation: Ground	•
Contact Person: Garland Hilliard		Telephone#: 423.336.4	4479	☐ Rotary Distributor	☐ Land Application of Slud	
Well Location/Site Name:				·	ump Other:	_
			(from Permit)		·	If WELL
SAMPLING INFORMATION WELL ID NUMBER (from Permit):	Carbon B-1	Date sample collected: 4	4/25/17	FIELD ANALYSES:		WAS
Well Depth:ft.	Saison B 1	Well Diameter:		pHunits	Temp°C	DRY at
Depth to Water Level:ft. belo	ow measuring point		ft. toft	·		time of
Measuring Point isft. abo		Relative M.P. Elevation:		<u></u>	·	sampling,
Volume of water pumped/bailed before		-		· · · · · · · · · · · · · · · · · · ·	_	check here:
Samples for metals were collected unf		ganone ☐ NO and field acidified: ☐ Y	YES 🗆 NO	, ippourance		
LABORATORY INFORMATION						
Date sample analyzed: 5/4/17 TCE,		Laboratory Name: Test	America	C	Certification No. 269	
PARAMETERS NOTE: Values shou				DI I I	0	
Coliform: ME Food	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total (Note: Use MPN method for highly turbid san	/100ml	Phosphorus: Total as P		0.1 (0 11 0		
		Orthophosphate			unds and Concentration Units):	
Dissolved Solids: Total		Al - Aluminum		TCE, PEST - all B	<u>QL</u>	
pH (when analyzed)		Ba - Barium				
TOC		Ca - Calcium				
Chloride		Cd - Cadmium				
Arsenic	mg/l	Chromium: Total		ODG 411100 (1 00)	00/M0 HPLO	
Grease and Oils		Cu - Copper		ORGANICS: (by GC, C		
Phenol			mg/l		thod #. ATTACH LAB REPORT	.)
Sulfate		Hg - Mercury		Report Attached?		
Specific Conductance		K - Potassium		VOC		
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitro	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls	, method # <u>8081B 8082</u>	<u>A</u>
		Mn - Manganese			, method #	_
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attac	ch Lab Reports):	Influent Total VOCs: <0.00	01 mg/L Effluer	nt Total VOCs:<0	0.001 mg/L VOC Remova	ı% <u>100</u>
I certify that, to the best of my knowledge and be					using approved methods of analysis by a	1
DWQ-certified laboratory. I am aware that there	are significant penalties for s	submitting false information, including the	possibility of fines and imp	orisonment for knowing violations.		
Garland Hilliard - Director, Enviro	nmental Remediation	on				
Permittee (or Authorized Agent) Name and Title			Signature of Permittee (or a	Authorized Agent)	(Date)	

GROUNDWATER QUALITY MO COMPLIANCE REPORT FORM			and 1 copy to:	DEPARTMENT OF ENVIRONMENT DIVISION OF WATER QUALITY-IN 1617 MAIL SERVICE CENTER, RA	I & NATURAL RESOURCES FORMATION PROCESSING UNIT LEIGH, NC 27699-1617 Phone: (919)	733-3221
FACILITY INFORMATION	Please Print Cle	early or Type		PERMIT Number:	Expiration Date: 05/31/18	
Facility Name: Geigy Chemical C	orporation Site			Non-Discharge WQ000994	· — —	
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	RATION BEING MONITORED	
Aberdeen (Street)	NC	County Moore		☐ Lagoon	☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)			☐ Spray Field	★ Remediation: Groundy	•
Contact Person: Garland Hilliard		Telephone#: 423.336.	4479	☐ Rotary Distributor	☐ Land Application of Slud	
Well Location/Site Name:					ımp Dther:	-
			(from Permit)			If WELL
SAMPLING INFORMATION WELL ID NUMBER (from Permit):	Carbon B-1	Date sample collected: _	7/12/17	FIELD ANALYSES:		WAS
Well Depth:ft.		Well Diameter:		pHunits	Temp°C	DRY at
Depth to Water Level:ft. bel	ow measuring point	-	ft. tof			time of
Measuring Point isft. abo		Relative M.P. Elevation:		<u> </u>	·	sampling,
Volume of water pumped/bailed before		·				check here:
Samples for metals were collected unf		_ganone ☐ NO and field acidified: ☐ `	YES □NO	, tppodranio		
LABORATORY INFORMATION						, L
Date sample analyzed: 7/19/17 TCE		Laboratory Name: Tes	t America	C	ertification No. 269	
PARAMETERS NOTE: Values shou				DI. L I		
Coliform: ME Food	mg/l /100ml	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total (Note: Use MPN method for highly turbid sar	/100ml	Phosphorus: Total as P		011 (0 11 0		
		Orthophosphate			unds and Concentration Units):	
Dissolved Solids: Total		Al - Aluminum		TCE, PEST - all Bo	QL)	_
pH (when analyzed)		Ba - Barium				_
TOC		Ca - Calcium				_
Chloride		Cd - Cadmium				_
Arsenic	mg/l	Chromium: Total		ODGANIGO (I. 00 (20/140 LIPLO	_
Grease and Oils		Cu - Copper		ORGANICS: (by GC, C		
Phenol			mg/l		thod #. ATTACH LAB REPORT.)
Sulfate		· · · · · · · · · · · · · · · · · · ·	mg/l	Report Attached?		
Specific Conductance		K - Potassium		VOC		_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitro	mg/l ogen, Total)	Mg - Magnesium	mg/l	Pest & Biphenyls	, method # <u>8081B 8082</u> /	<u>1</u>
		Mn - Manganese	mg/l		, method #	_
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attack	ch Lab Reports):	Influent Total VOCs: <a><0.001	lmg/L Efflue	ent Total VOCs: <0	0.001 mg/L VOC Removal	% <u>100</u>
I certify that, to the best of my knowledge and be					ising approved methods of analysis by a	
DWQ-certified laboratory. I am aware that there	are significant penalties for si	ubmitting false information, including the	e possibility of fines and in	nprisonment for knowing violations.		
Garland Hilliard - Director, Enviro	onmental Remediatio	on				
Permittee (or Authorized Agent) Name and Title	- Please print or type		Signature of Permittee (or	r Authorized Agent)	(Date)	

GROUNDWATER QUALITY MO COMPLIANCE REPORT FORM	NITORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT DIVISION OF WATER QUALITY-INI 1617 MAIL SERVICE CENTER, RAI	& NATURAL RESOURCES FORMATION PROCESSING UNIT LEIGH, NC 27699-1617 Phone: (919)	733-3221
FACILITY INFORMATION	Please Print Cle	early or Type	·	PERMIT Number:	Expiration Date: 05/31/18	
Facility Name: Geigy Chemical C	orporation Site			Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	RATION BEING MONITORED	
Aberdeen (Street)	NC	County Moore		☐ Lagoon	☐ Remediation: Infiltration (Gallery
(City)	(State) (Zip)			☐ Spray Field	Remediation: Groundw	•
Contact Person: Garland Hilliard		Telephone#: 423.336	6.4479	☐ Rotary Distributor	☐ Land Application of Sludg	
Well Location/Site Name:				☐ Water Source Heat Pu	mp Other:	
			(from Permit)			If WELL
SAMPLING INFORMATION WELL ID NUMBER (from Permit): (Carbon B-1	_ Date sample collected:	10/3/17	FIELD ANALYSES:		WAS
Well Depth:ft.	<u>Janoin B</u> 1	_ Well Diameter:		pHunits	Temp°C	DRY at
Depth to Water Level:ft. belo	ow measuring point		ft. to	· · · · · · · · · · · · · · · · · · ·		time of
Measuring Point isft. abo		Relative M.P. Elevation:		<u> </u>	·	sampling,
Volume of water pumped/bailed before		•		Appearance		check here:
Samples for metals were collected unf		NO and field acidified:	YES □NO	7 (ppodranoo		
LABORATORY INFORMATION Date sample analyzed: 10/11/17 TCI		Laboratory Name: Tes		С	ertification No. 269	•
PARAMETERS NOTE: Values shou						
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l			
(Note: Use MPN method for highly turbid san	nples)	Orthophosphate	mg/l	Other (Specify Compo	unds and Concentration Units):	
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCE, PEST - all BO	QL	
pH (when analyzed)	units	Ba - Barium	mg/l	-		
TOC	mg/l	Ca - Calcium	mg/l			
Chloride		Cd - Cadmium				
Arsenic	mg/l	Chromium: Total	mg/l			
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC, G	GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron	mg/l	· · ·	hod #. ATTACH LAB REPORT.)	
Sulfate		· · · · · · · · · · · · · · · · · · ·	mg/l	Report Attached?		
Specific Conductance	μMhos	K - Potassium	mg/l		, method # <u>8260</u>	_
Total Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls	, method # <u>8081B 8082A</u>	<u> </u>
(Ammonia Nitrogen; NH₃as N; Ammonia Nitro	gen, Iotal)	Mn - Manganese	mg/l		, method #	_
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	_
For Remediation Systems Only (Attack	. ,	Influent Total VOCs: <0.00		ent Total VOCs: <0.001	mg/L VOC Removal%	<u>100</u>
I certify that, to the best of my knowledge and be DWQ-certified laboratory. I am aware that there					sing approved methods of analysis by a	
Garland Hilliard - Director, Enviro	nmental Remediatio	n				
Permittee (or Authorized Agent) Name and Title	- Please print or type		Signature of Permittee (o	r Authorized Agent)	(Date)	

GROUNDWATER QUALITY MONIT COMPLIANCE REPORT FORM	ORING:		and 1 copy to:		T & NATURAL RESOURCES IFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (91	9) 733-3221
FACILITY INFORMATION	Please Print (Clearly or Type	-	PERMIT Number:	05/04/	•
Facility Name: Geigy Chemical Corpo	oration Site			Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive					ERATION BEING MONITORED)
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	☐ Remediation: Infiltration	
(City)	(State) (Zip)	<u> </u>		☐ Spray Field		
Contact Person: Garland Hilliard		Telephone#: 423.336.	4479	☐ Rotary Distributor	☐ Land Application of Slu	udge
Well Location/Site Name:				☐ Water Source Heat Pu	ump Other:	
SAMPLING INFORMATION			(nonr onni)			If WELL
WELL ID NUMBER (from Permit): MW-	·4S	Date sample collected:	10/3/17	FIELD ANALYSES:		WAS
Well Depth: 41.97 _{ft.}		Well Diameter:	<u>2</u> in.	pH 4.12 units	Temp. <u>19.60</u> °C	DRY at
Depth to Water Level: 36.22 ft. below m	neasuring point	Screened Interval:	31.9 ft. to 41.9	ft. Spec. Cond.	66 μMhos	time of sampling,
Measuring Point isft. above la	and surface	Relative M.P. Elevation:	473.49 ft.	Odor None	_	check
Volume of water pumped/bailed before sam				Appearance Clea	<u>r</u>	here:
Samples for metals were collected unfiltered	ed: YES	\square NO and field acidified: \square	YES NO			
LABORATORY INFORMATION Date sample analyzed: 10/9/17		Laboratory Name: Tes	t America	C	Certification No. 269	
PARAMETERS NOTE: Values should re	flect dissolved a	nd colloidal concentrations.				
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l			
(Note: Use MPN method for highly turbid samples)		Orthophosphate	mg/l	Other (Specify Compo	ounds and Concentration Units):	:
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCL Pesticides - R	Results attached	
pH (when analyzed)		Ba - Barium				
TOC	mg/l	Ca - Calcium	mg/l			
Chloride	mg/l	Cd - Cadmium	mg/l			
Arsenic		Chromium: Total	mg/l			
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC, 0	GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron	mg/l	(Specify test and me	thod #. ATTACH LAB REPOR	T.)
Sulfate		Hg - Mercury		Report Attached?		
Specific Conductance	μMhos	K - Potassium	mg/l	Pest & Biphenyls	, method # <u>8081B / 8085</u>	<u> </u>
Total Ammonia	mg/l	Mg - Magnesium	mg/l		, method #	
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, ٦	otai)	Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach La	ab Reports):	Influent Total VOCs:	mg/L Efflue	ent Total VOCs:	mg/L VOC Remov	al%
I certify that, to the best of my knowledge and belief, the DWQ-certified laboratory. I am aware that there are significantly.					•	⁄ a
Garland Hilliard - Director, Environme	ental Remediat	ion				

GROUNDWATER QUALITY MONITO COMPLIANCE REPORT FORM	ORING:		and 1 copy to:		IT & NATURAL RESOURCES NFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (9	19) 733-3221
FACILITY INFORMATION	Please Print (Clearly or Type		PERMIT Number:	05/04	•
Facility Name: Geigy Chemical Corpor	ration Site			Non-Discharge WQ00099		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive			_		ERATION BEING MONITORE	D
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	Remediation: Infiltration	
(City)	(State) (Zip)			☐ Spray Field		-
Contact Person: Garland Hilliard		Telephone#: 423.336.	4479	☐ Rotary Distributor	☐ Land Application of S	ludge
Well Location/Site Name:		No. of wells to be sam	pled:	☐ Water Source Heat P	ump Other:	
SAMPLING INFORMATION			(If WELL
WELL ID NUMBER (from Permit): MW-5	5S	Date sample collected:	10/3/17	FIELD ANALYSES:		WAS
Well Depth: 47.44 ft.		Well Diameter: _		pH <u>3.66</u> units	Temp. 21.02 °C	DRY at time of
Depth to Water Level: 38.41 ft. below me	= :	Screened Interval:		ft. Spec. Cond.	49 μMhos	sampling,
Measuring Point isft. above la		Relative M.P. Elevation:	471.36 ft.	Odor None		check
Volume of water pumped/bailed before samp	_		_	Appearance Clea	ır	here:
Samples for metals were collected unfiltered	d: □YES	☐ NO and field acidified: ☐ `	YES NO			
LABORATORY INFORMATION Date sample analyzed: 10/9/17		Laboratory Name: Test	t America	(Certification No. 269	
PARAMETERS NOTE: Values should ref	lect dissolved a					
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l			
(Note: Use MPN method for highly turbid samples)		Orthophosphate	mg/l	Other (Specify Compo	ounds and Concentration Units):
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCL Pesticides - F	Results attached	
pH (when analyzed)	units	Ba - Barium	mg/l			
TOC	mg/l	Ca - Calcium	mg/l			
Chloride		Cd - Cadmium	mg/l			
Arsenic		Chromium: Total	mg/l			
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC,	GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron	mg/l	(Specify test and me	thod #. ATTACH LAB REPOR	RT.)
Sulfate		Hg - Mercury		Report Attached?		
Specific Conductance	µMhos	K - Potassium	mg/l	Pest & Biphenyls	, method # <u>8081B /8082</u>	2A
Total Ammonia	mg/l	Mg - Magnesium	mg/l		, method #	
(Ammonia Nitrogen; NH ₃ as N; Ammonia Nitrogen, To	otal)	Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach La	b Reports):	Influent Total VOCs:	mg/L Efflue	nt Total VOCs:	mg/L VOC Remov	val%
I certify that, to the best of my knowledge and belief, the DWQ-certified laboratory. I am aware that there are sig					•	by a
Garland Hilliard - Director, Environme	ntal Remediat	ion				

GROUNDWATER QUALITY MONIT	ORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3	3221
FACILITY INFORMATION	Please Print (Clearly or Type		PERMIT Number: Expiration Date: 05/31/18	
Facility Name: Geigy Chemical Corpo	oration Site			Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPERATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon ☐ Remediation: Infiltration Galle	ery
(City)	(State) (Zip)			☐ Spray Field	-
Contact Person: Garland Hilliard		Telephone#: _423.336.	4479	☐ Rotary Distributor ☐ Land Application of Sludge	
Well Location/Site Name:		No. of wells to be samp	pled:	☐ Water Source Heat Pump ☐ Other:	
SAMPLING INFORMATION			(IIOIII Peitillit)	I If 1	WELL
WELL ID NUMBER (from Permit): MW	-6S	Date sample collected: _	10/4/17		/AS
Well Depth: 47.01 ft.		Well Diameter:	<u>2</u> in.	DI 0.02 UIIIS TEITID. 22.00 0	RY at
Depth to Water Level: 40.50 ft. below n	neasuring point	Screened Interval: _	37. ft. to 47.0	Itt Spac Cond 1.30 UVIIUS I	me of ampling,
Measuring Point isft. above l	and surface	Relative M.P. Elevation:	464.73 ft.	Odor None ch	neck
Volume of water pumped/bailed before sam					ere:
Samples for metals were collected unfilter	ed: □YES	☐ NO and field acidified: ☐ Y	YES 🗆 NO		
LABORATORY INFORMATION Date sample analyzed: 10/11/17		Laboratory Name: Test	t America	Certification No. 269	
PARAMETERS NOTE: Values should re					
COD	mg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zincmg/l	
Coliform: MF Total (Note: Use MPN method for highly turbid samples)	/100ml	Phosphorus: Total as P			
		Orthophosphate		TO 5 0 11 5 5 11 11 11	
Dissolved Solids: Total		Al - Aluminum			
pH (when analyzed)		Ba - Barium			
TOC		Ca - Calcium			
Chloride		Cd - Cadmium			
Arsenic		Chromium: Total			
Grease and Oils		Cu - Copper			
Phenol		· · · · · · · · · · · · · · · · · · ·	mg/l		
Sulfate		Hg - Mercury		•	
Specific Conductance		K - Potassium			
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen,	mg/l Total)	Mg - Magnesium	mg/l		
	,	Mn - Manganese			
TKN as N	mg/l	Ni - Nickel		, method #	
For Remediation Systems Only (Attach L	. ,	Influent Total VOCs:		ent Total VOCs:mg/L VOC Removal%	
I certify that, to the best of my knowledge and belief, to DWQ-certified laboratory. I am aware that there are s				ratory analytical data was produced using approved methods of analysis by a imprisonment for knowing violations.	
Garland Hilliard - Director, Environm		<u> </u>			

GROUNDWATER QUALITY MONICOMPLIANCE REPORT FORM	TORING:		and 1 copy to:		T & NATURAL RESOURCES NFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (919	9) 733-3221
FACILITY INFORMATION	Please Print (Clearly or Type		PERMIT Number:	05/04/4	,
Facility Name: Geigy Chemical Corp	oration Site		N	Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	ERATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	☐ Remediation: Infiltration	n Gallery
(City)	(State) (Zip)			☐ Spray Field		-
Contact Person: Garland Hilliard		Telephone#: 423.336.	4479	☐ Rotary Distributor	☐ Land Application of Slu	ıdge
Well Location/Site Name:			pled:	☐ Water Source Heat Po	ump Other:	
SAMPLING INFORMATION			(from Permit)			If WELL
WELL ID NUMBER (from Permit): MW	/-10S	Date sample collected:	10/3/17	FIELD ANALYSES:		WAS
Well Depth: 41.36 ft.		Well Diameter:		pH <u>3.64</u> units	Temp. 18.07 °C	DRY at
Depth to Water Level: 29.26 ft. below	measuring point	_	31.3 ft. to 41.3 f		25 μMhos	time of
Measuring Point isft. above	= :	Relative M.P. Elevation:		Odor None		sampling, check
Volume of water pumped/bailed before san		_		Appearance Clou	dy	here:
Samples for metals were collected unfilte			YES 🗆 NO			
LABORATORY INFORMATION Date sample analyzed: 10/9/17 PEST, 7 PARAMETERS NOTE: Values should r COD		Laboratory Name: Test and colloidal concentrations. Nitrite (NO ₂) as N	: Americamg/l	Pb - Lead	Certification No. 269	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l			
(Note: Use MPN method for highly turbid samples	5)	Orthophosphate	mg/l	Other (Specify Compo	ounds and Concentration Units):	
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCL Pesticides - F	Results attached	
pH (when analyzed)	units	Ba - Barium	mg/l	TCE - Results atta	ached	
TOC	mg/l	Ca - Calcium	mg/l			
Chloride		Cd - Cadmium	mg/l			
Arsenic		Chromium: Total	mg/l			
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC,	GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron	mg/l	(Specify test and me	thod #. ATTACH LAB REPORT	Г.)
Sulfate		Hg - Mercury	mg/l	Report Attached?	★ Yes (1) □ No (0)	
Specific Conductance	μMhos	K - Potassium	mg/l		, method # <u>8260</u>	
Total Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenlys	, method # <u>8081B / 8082</u>	<u>A</u>
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen,	Total)	Mn - Manganese			, method #	<u></u>
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach I	Lab Reports):	Influent Total VOCs:	mg/L Efflue	nt Total VOCs:	mg/L VOC Remova	al%
I certify that, to the best of my knowledge and belief, DWQ-certified laboratory. I am aware that there are					•	a
Garland Hilliard - Director, Environm	nental Remediat	ion				

GROUNDWATER QUALITY MONI COMPLIANCE REPORT FORM	TORING:		and 1 copy to:		T & NATURAL RESOURCES IFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (919	9) 733-3221
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number:	Expiration Date: 05/31/1	8
Facility Name: Geigy Chemical Corp	ooration Site			Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	ERATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	Remediation: Infiltration	n Gallery
(City)	(State) (Zip)			☐ Spray Field	Remediation: Ground	water
Contact Person: Garland Hilliard		Telephone#: 423.336	.4479	☐ Rotary Distributor	☐ Land Application of Slu	dge
Well Location/Site Name:				☐ Water Source Heat Po	ump Other:	
SAMPLING INFORMATION			(nonit onlin)			If WELL
WELL ID NUMBER (from Permit): MV	V-16S	Date sample collected:	10/3/17	FIELD ANALYSES:		WAS
Well Depth: 68.04 ft.		Well Diameter:	<u>2</u> in.	pH <u>4.54</u> units	Temp17.72 °C	DRY at
Depth to Water Level: 47.19 ft. below	measuring point	Screened Interval:	58. ft. to 68.		73 μMhos	time of sampling,
Measuring Point isft. above	land surface	Relative M.P. Elevation:	484.58 ft.	Odor None		check
Volume of water pumped/bailed before sar	mpling: 4.	<u>0</u> gallons		Appearance Clea	r	here:
Samples for metals were collected unfilte	red: YES	☐ NO and field acidified: ☐	YES 🗆 NO			
LABORATORY INFORMATION Date sample analyzed: 10/9/17 PEST, PARAMETERS NOTE: Values should		Laboratory Name: Tes	t America		Certification No. 269	
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l			
(Note: Use MPN method for highly turbid sample	s)	Orthophosphate		Other (Specify Compo	ounds and Concentration Units):	
Dissolved Solids: Total	mg/l	Al - Aluminum		TCL Pesticides - F	Results attached	
pH (when analyzed)		Ba - Barium	•	TCE - Results atta	ached	
тос	mg/l	Ca - Calcium				
Chloride		Cd - Cadmium				
Arsenic		Chromium: Total				
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC,	GC/MS, HPLC)	
Phenol		Fe - Iron	mg/l	(Specify test and me	thod #. ATTACH LAB REPORT	Г.)
Sulfate	mg/l	Hg - Mercury	mg/l	Report Attached?	X Yes (1) □ No (0)	
Specific Conductance	μMhos	K - Potassium		VOC	, method # <u>8260</u>	
Total Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenlys	, method # <u>8081B / 8082</u>	<u>B_</u>
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen	, Total)	Mn - Manganese	mg/l		, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach	Lab Reports):	Influent Total VOCs:	mg/L Efflue	ent Total VOCs:	mg/L VOC Remova	ıl%
I certify that, to the best of my knowledge and belief, DWQ-certified laboratory. I am aware that there are					•	a
Garland Hilliard - Director, Environr	nental Remediati	ion				

GROUNDWATER QUALITY MONIT COMPLIANCE REPORT FORM	FORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT DIVISION OF WATER QUALITY-INI 1617 MAIL SERVICE CENTER, RAI	* & NATURAL RESOURCES FORMATION PROCESSING UNIT LEIGH, NC 27699-1617 Phone: (919) 733-3221
FACILITY INFORMATION	Please Print (Clearly or Type		PERMIT Number:	05/04/4	•
Facility Name: Geigy Chemical Corp	oration Site			Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	RATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)			☐ Spray Field	Remediation: Ground	water
Contact Person: Garland Hilliard		Telephone#: 423.336.	.4479	☐ Rotary Distributor	☐ Land Application of Slu	dge
Well Location/Site Name:			pled:	☐ Water Source Heat Pu	mp Other:	
SAMPLING INFORMATION			(from Permit)			If WELL
WELL ID NUMBER (from Permit): MW	′-17S	Date sample collected:	10/3/17	FIELD ANALYSES:		WAS
Well Depth: 59.42 ft.		· · · · · · · · · · · · · · · · · ·		pH <u>3.91</u> units	Temp17.21 °C	DRY at
Depth to Water Level: 47.88 ft. below r	measuring point	-	49.4 ft. to 59.4 ft	· —	68 μMhos	time of
Measuring Point isft. above	land surface	Relative M.P. Elevation:	480.22 ft.	Odor None		sampling, check
Volume of water pumped/bailed before sam	npling: 4.0) gallons	<u> </u>	Appearance Clear		here:
Samples for metals were collected unfilter	ed: YES	□ NO and field acidified: □	YES 🗆 NO		_	
LABORATORY INFORMATION Date sample analyzed: 10/9/17 PEST, 1 PARAMETERS NOTE: Values should r COD	eflect dissolved a	Laboratory Name: Test and colloidal concentrations. Nitrite (NO ₂) as N			ertification No. 269	
Coliform: MF Fecal	mg/l /100ml	Nitrate (NO ₃) as N	mg/l mg/l	Pb - Lead Zn - Zinc	mg/l mg/l	
				ZII - ZIIIC	IIIg/I	
Coliform: MF Total (Note: Use MPN method for highly turbid samples)	/100ml	Phosphorus: Total as P		Other (Specify Compa	unds and Concentration Units):	
Dissolved Solids: Total	ma/l	Orthophosphate AI - Aluminum		TCL Pesticides - R		
pH (when analyzed)		Ba - Barium		TCE - Results atta		
TOC		Ca - Calcium				_
Chloride		Cd - Cadmium				
Arsenic		Chromium: Total				
Grease and Oils		Cu - Copper		ORGANICS: (by GC, C	GC/MS. HPLC)	
Phenol		Fe - Iron			hod #. ATTACH LAB REPORT	.)
Sulfate		Hg - Mercury		Report Attached?		7
Specific Conductance	μMhos	K - Potassium		VOC		
Total Ammonia	mg/l	Mg - Magnesium			, method # 8081B / 8082/	<u> </u>
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen,	Total)	Mn - Manganese		· · · · · · · ·	, method #	
TKN as N	mg/l	Ni - Nickel		· · · · · · · ·	, method #	
For Remediation Systems Only (Attach L	_ab Reports):	Influent Total VOCs:	mg/L Efflue	nt Total VOCs:	mg/L VOC Remova	l%
I certify that, to the best of my knowledge and belief, t DWQ-certified laboratory. I am aware that there are s					sing approved methods of analysis by a	3
Garland Hilliard - Director, Environm	nental Remediat	ion				

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM		Mail original and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221	
FACILITY INFORMATION Please Print Clea	rly or Type		PERMIT Number: Expiration Date: 05/31/18	
Facility Name: Geigy Chemical Corporation Site			Non-Discharge WQ0009949 UIC	
Permit Name (if different):			NPDES Other	
Facility Address: Domino Drive			TYPE OF PERMITTED OPERATION BEING MONITORED	
Aberdeen (Street) NC 28315	County Moore		☐ Lagoon ☐ Remediation: Infiltration Gallery	
(City) (State) (Zip)			☐ Spray Field	
Contact Person: Garland Hilliard	Telephone#: _423.336	.4479	☐ Rotary Distributor ☐ Land Application of Sludge	
Well Location/Site Name:	No. of wells to be same	npled:	☐ Water Source Heat Pump ☐ Other:	
SAMPLING INFORMATION		(IIOIII FeITIIII)	If WEI	LL
WELL ID NUMBER (from Permit): MW-18S	Date sample collected:	10/3/17	_ FIELD ANALYSES: WAS	
Well Depth: 49.75 ft.	Well Diameter:	2 in.	pH <u>4.41</u> units Temp. <u>22.04</u> °C DRY a	
Depth to Water Level: 49.49 ft. below measuring point	Screened Interval:	39.7 ft. to 49.7		
Measuring Point isft. above land surface	Relative M.P. Elevation:	467.83 ft.	Odor None check	
Volume of water pumped/bailed before sampling:0.04			Appearance <u>Clear</u> here:	
Samples for metals were collected unfiltered : YES	NO and field acidified:	YES NO		ᆜ
LABORATORY INFORMATION Date sample analyzed: 10/9/17 PEST, 10/11/17 TCE	Laboratory Name: Tes	t America	Certification No. 269	
PARAMETERS NOTE: Values should reflect dissolved and		4		
CODmg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal /100ml	Nitrate (NO ₃) as N			
Coliform: MF Total/100ml (Note: Use MPN method for highly turbid samples)	Phosphorus: Total as P			
	Orthophosphate		TO D 11 11 D 11 11 1	
Dissolved Solids: Totalmg/l	AI - Aluminum		TOF D 1: 1: 1	
pH (when analyzed)units	Ba - Barium	•		
TOCmg/l	Ca - Calcium			
Chloridemg/l	Cd - Cadmium			
Arsenicmg/l	Chromium: Total			
Grease and Oilsmg/l	Cu - Copper			
Phenolmg/l	·	mg/l		
Sulfatemg/l Specific Conductance μMhos	Hg - Mercury			
	K - Potassium		D + 0 D'	
Total Ammoniamg/l (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, Total)	Mg - Magnesium	mg/l		
TKN as N mg/l	Mn - Manganese Ni - Nickel			
	nfluent Total VOCs:		uent Total VOCs: mg/L VOC Removal%	
I certify that, to the best of my knowledge and belief, the information submitted in				
DWQ-certified laboratory. I am aware that there are significant penalties for sub				
Garland Hilliard - Director, Environmental Remediation	<u> </u>			

GROUNDWATER QUALITY MONIT COMPLIANCE REPORT FORM	ORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221
FACILITY INFORMATION	Please Print	Clearly or Type		PERMIT Number: Expiration Date: 05/31/18
Facility Name: Geigy Chemical Corpo	oration Site			Non-Discharge WQ0009949 UIC
Permit Name (if different):				NPDES Other
Facility Address: Domino Drive				TYPE OF PERMITTED OPERATION BEING MONITORED
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon ☐ Remediation: Infiltration Gallery
(City)	(State) (Zip)	Sound interest		☐ Spray Field
Contact Person: Garland Hilliard		Telephone#: 423.336.4	479	☐ Rotary Distributor ☐ Land Application of Sludge
Well Location/Site Name:				☐ Water Source Heat Pump ☐ Other:
		Tro. or wells to be sumply	(from Permit)	
SAMPLING INFORMATION	445		0/2/47	If WELL
WELL ID NUMBER (from Permit): MW-	חוד	Date sample collected: 10		FIELD ANALYSES: DRY at 3.76 units Town 16.60 °C DRY at
Well Depth: <u>75.39</u> ft.		Well Diameter:		time of
Depth to Water Level: 65.65 ft. below m		Screened Interval: 6		_ft. Spec. Condft/μντίος samplin
Measuring Point isft. above la		Relative M.P. Elevation:	<u>463.41</u> ft.	Odor None check
Volume of water pumped/bailed before samp	_			Appearance <u>Clear</u> here:
Samples for metals were collected unfiltered	ed: ∐YES	NO and field acidified:	ES LINO	
LABORATORY INFORMATION Date sample analyzed: 10/9/17 PEST, 1	0/11/17 TCE	Laboratory Name: Test A	America	Certification No. 269
PARAMETERS NOTE: Values should re		and colloidal concentrations.		
COD	mg/l	Nitrite (NO ₂) as N	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l	I
(Note: Use MPN method for highly turbid samples)		Orthophosphate	mg/l	Other (Specify Compounds and Concentration Units):
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCL Pesticides - Results attached
pH (when analyzed)	units	Ba - Barium	mg/l	TCE - Results attached
TOC	mg/l	Ca - Calcium	mg/l	
Chloride	mg/l	Cd - Cadmium	mg/l	
Arsenic		Chromium: Total		
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC, GC/MS, HPLC)
Phenol		Fe - Iron	mg/l	(Specify test and method #. ATTACH LAB REPORT.)
Sulfate	mg/l	Hg - Mercury	mg/l	Report Attached?
Specific Conductance		K - Potassium	mg/l	VOC , method # <u>8260</u>
Total Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenlys , method # 8081B / 8082A
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, T	otal)	Mn - Manganese	mg/l	. , method #
TKN as N	mg/l	Ni - Nickel	mg/l	, method #
For Remediation Systems Only (Attach La	ab Reports):	Influent Total VOCs:	mg/L Efflue	nent Total VOCs:mg/L VOC Removal%
I certify that, to the best of my knowledge and belief, the DWQ-certified laboratory. I am aware that there are si				ratory analytical data was produced using approved methods of analysis by a imprisonment for knowing violations.
Garland Hilliard - Director, Environme	ental Remediat	tion		

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM			and 1 copy to:	Mail original DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES and 1 copy to: 1017 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (
FACILITY INFORMATION	Please Print (Clearly or Type		PERMIT Number:	05/04	•	
Facility Name: Geigy Chemical Corp	oration Site		1	Non-Discharge WQ00099			
Permit Name (if different):				NPDES	Other		
Facility Address: Domino Drive				TYPE OF PERMITTED OPI	ERATION BEING MONITORE	D	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	☐ Remediation: Infiltrati	ion Gallery	
(City)	(State) (Zip)			☐ Spray Field	Remediation: Groun	ndwater	
Contact Person: Garland Hilliard		Telephone#: 423.336	.4479	☐ Rotary Distributor	☐ Land Application of S	Sludge	
Well Location/Site Name:				☐ Water Source Heat P	ump Other:		
SAMPLING INFORMATION			(Hom Fernit)			If WELL	
WELL ID NUMBER (from Permit): MW	/-16D	Date sample collected:	10/4/17	FIELD ANALYSES:		WAS	
Well Depth: 123.57 ft.		Well Diameter:	<u>2</u> in.	pH 3.84 units	Temp. <u>16.40</u> °C	DRY at	
Depth to Water Level: 89.36 ft. below	measuring point	Screened Interval:	113 ft. to 123 f	t. Spec. Cond.		time of sampling,	
Measuring Point isft. above	land surface	Relative M.P. Elevation:	487.55 _{ft.}	Odor None		check	
Volume of water pumped/bailed before san				Appearance Clea	ır	here:	
Samples for metals were collected unfilter	red: YES	☐ NO and field acidified: ☐	YES NO				
LABORATORY INFORMATION Date sample analyzed: 10/17/17		Laboratory Name: Tes	t America		Certification No. 269		
PARAMETERS NOTE: Values should r							
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead			
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l		
Coliform: MF Total	/100ml	Phosphorus: Total as P					
(Note: Use MPN method for highly turbid samples	5)	Orthophosphate			ounds and Concentration Units	s):	
Dissolved Solids: Total	mg/l	Al - Aluminum		TCE - Results atta	ached		
pH (when analyzed)		Ba - Barium					
TOC		Ca - Calcium					
Chloride	mg/l	Cd - Cadmium					
Arsenic		Chromium: Total					
Grease and Oils	mg/l	Cu - Copper		ORGANICS: (by GC,	•		
Phenol		Fe - Iron			ethod #. ATTACH LAB REPO	RT.)	
Sulfate		Hg - Mercury		Report Attached?	. , , , , , , , , , , , , , , , , , , ,		
Specific Conductance	μMhos	K - Potassium	mg/l	VOC	, method # <u>8260</u>		
Total Ammonia	mg/l	Mg - Magnesium	mg/l		, method #		
(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen,		Mn - Manganese			, method #		
TKN as N	mg/l	Ni - Nickel	mg/l		, method #		
For Remediation Systems Only (Attach I	Lab Reports):	Influent Total VOCs:	mg/L Efflue	nt Total VOCs:	mg/L VOC Remo	val%	
I certify that, to the best of my knowledge and belief, DWQ-certified laboratory. I am aware that there are					•	by a	
Garland Hilliard - Director, Environm	nental Remediat	ion					

GROUNDWATER QUALITY MONIT COMPLIANCE REPORT FORM	ORING:		and 1 copy to:		T & NATURAL RESOURCES IFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (91	19) 733-3221
FACILITY INFORMATION	Please Print 0	Clearly or Type		PERMIT Number:	Expiration Date: 05/31/	18
Facility Name: Geigy Chemical Corpo	oration Site			Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	RATION BEING MONITORED)
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	☐ Remediation: Infiltration	
(City)	(State) (Zip)			☐ Spray Field		
Contact Person: Garland Hilliard		Telephone#: 423.336	.4479	☐ Rotary Distributor	☐ Land Application of SI	udge
Well Location/Site Name:				☐ Water Source Heat Po	ump Other:	
SAMPLING INFORMATION			(IIOIII FeITIIII)			If WELL
WELL ID NUMBER (from Permit): MW	-17D	Date sample collected:	10/4/17	FIELD ANALYSES:		WAS
Well Depth: 123.17 ft.		Well Diameter:	<u>2</u> in.	pH <u>3.65</u> units	Temp16.36 °C	DRY at
Depth to Water Level: 91.18 ft. below n	neasuring point	Screened Interval:	113 ft. to 123	ft. Spec. Cond.	27 μMhos	time of sampling,
Measuring Point isft. above Is	and surface	Relative M.P. Elevation:	489.60 ft.	Odor None		check
Volume of water pumped/bailed before sam	pling: 3.			Appearance Clea	<u> </u>	here:
Samples for metals were collected unfilter	ed: 🗆 YES	NO and field acidified:	YES 🗆 NO			
LABORATORY INFORMATION Date sample analyzed: 10/17/17		Laboratory Name: _Tes	t America		Certification No. 269	
PARAMETERS NOTE: Values should re	eflect dissolved a			_		
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P				
(Note: Use MPN method for highly turbid samples)		Orthophosphate	mg/l		ounds and Concentration Units)	:
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCE - Results atta	nched	
pH (when analyzed)		Ba - Barium				
TOC	mg/l	Ca - Calcium	mg/l			<u></u>
Chloride	mg/l	Cd - Cadmium	mg/l			<u></u>
Arsenic		Chromium: Total	mg/l			<u></u>
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC,	GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron	mg/l	(Specify test and me	thod #. ATTACH LAB REPOR	T.)
Sulfate		Hg - Mercury		Report Attached?	` '	
Specific Conductance	μMhos	K - Potassium	mg/l	VOC	, method # <u>8260</u>	
Total Ammonia	mg/l	Mg - Magnesium	mg/l		, method #	
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen,	ı otal)	Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach L	ab Reports):	Influent Total VOCs:	mg/L Efflue	ent Total VOCs:	mg/L VOC Remov	al%
I certify that, to the best of my knowledge and belief, to DWQ-certified laboratory. I am aware that there are s					•	y a
Garland Hilliard - Director, Environm	ental Remediat	ion				

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM			and 1 copy to:	Mail original DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES nd 1 copy to: 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 73:			
FACILITY INFORMATION	Please Print (Clearly or Type		PERMIT Number:	05/04/	•	
Facility Name: Geigy Chemical Corporation Site				lon-Discharge WQ000994			
Permit Name (if different):				IPDES	Other		
Facility Address: Domino Drive					ERATION BEING MONITORED		
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	Remediation: Infiltratio		
(City)	(State) (Zip)			☐ Spray Field		-	
Contact Person: Garland Hilliard		Telephone#: 423.336.	4479	☐ Rotary Distributor	☐ Land Application of Slu		
Well Location/Site Name:				•	ump Other:	•	
			(from Permit)		'		
SAMPLING INFORMATION WELL ID NUMBER (from Permit): MW	/ ₋ 18D	Date sample collected:	10/4/17	FIELD ANALYSES:		If WELL WAS	
Well Depth: 72.36 ft.	-10D	Well Diameter:		pH 3.40 units	Temp. <u>16.28</u> °C	DRY at	
Depth to Water Level: 52.69 ft. below	measuring point	_	<u> </u>	·		time of	
Measuring Point isft. above	= :	Relative M.P. Elevation:		Odor None		sampling,	
Volume of water pumped/bailed before sam		.0_gallons		Appearance Clea	r	check here:	
Samples for metals were collected unfilter		□ NO and field acidified: □ \	∕ES □NO	Appearance <u>Orca</u>	<u>'</u>		
LABORATORY INFORMATION Date sample analyzed: 10/11/17 PEST, PARAMETERS NOTE: Values should r COD Coliform: MF Fecal Coliform: MF Total (Note: Use MPN method for highly turbid samples	reflect dissolved a mg/l /100ml /100ml	Laboratory Name: Test and colloidal concentrations. Nitrite (NO ₂) as N Nitrate (NO ₃) as N Phosphorus: Total as P Orthophosphate	mg/l mg/l mg/l	Pb - Lead Zn - Zinc Other (Specify Compo	mg/l mg/l punds and Concentration Units):		
Dissolved Solids: Total	mg/l	AI - Aluminum		TCE - Results atta			
pH (when analyzed)		Ba - Barium		TCL Pesticides - F	Results Attached		
TOC		Ca - Calcium					
Chloride	mg/l	Cd - Cadmium					
Arsenic		Chromium: Total					
Grease and Oils	mg/l	Cu - Copper		ORGANICS: (by GC,			
Phenol		Fe - Iron			thod #. ATTACH LAB REPOR	Г.)	
Sulfate		Hg - Mercury		Report Attached?	* ,		
Specific Conductance	μMhos	K - Potassium	mg/l		, method # <u>8260</u>		
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen,	mg/l	Mg - Magnesium	mg/l	·	, method # <u>8081B / 8082</u>		
		Mn - Manganese		·	, method #		
TKN as N	mg/l	Ni - Nickel	mg/l		, method #		
For Remediation Systems Only (Attach I	_ab Reports):	Influent Total VOCs:	mg/L Effluer	nt Total VOCs:	mg/L VOC Remova	al%	
I certify that, to the best of my knowledge and belief, DWQ-certified laboratory. I am aware that there are second Hilliand Director.	significant penalties for	submitting false information, including the	plete, and that the laborate		using approved methods of analysis by	a	
Garland Hilliard - Director, Environm	ientai Kemediat	1011					

GROUNDWATER QUALITY MONIT COMPLIANCE REPORT FORM	ORING:		and 1 copy to:		T & NATURAL RESOURCES IFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (91	9) 733-3221
FACILITY INFORMATION	Please Print (Clearly or Type		PERMIT Number:	25/24/	,
Facility Name: Geigy Chemical Corporation Site				Non-Discharge WQ000994		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPE	RATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	☐ Remediation: Infiltratio	n Gallery
(City)	(State) (Zip)		_	☐ Spray Field	Remediation: Ground	dwater
Contact Person: Garland Hilliard		Telephone#: 423.336.	.4479	☐ Rotary Distributor	☐ Land Application of Slu	ıdge
Well Location/Site Name:		No. of wells to be sam	pled: (from Permit)	☐ Water Source Heat Pu	ump Other:	
SAMPLING INFORMATION						If WELL
WELL ID NUMBER (from Permit): \underline{MW}	·20D	Date sample collected:		FIELD ANALYSES:		WAS
Well Depth: 47.44 ft.		Well Diameter:		pH 4.07 units	Temp. <u>19.84</u> °C	DRY at time of
Depth to Water Level: 35.78 ft. below m	= -		37.4 ft. to 47.4 f			sampling,
Measuring Point isft. above la		Relative M.P. Elevation:	421.24 ft.	Odor <u>None</u>		check
Volume of water pumped/bailed before sam			_	Appearance Clear	r	here:
Samples for metals were collected unfiltered	ed: ∐YES	NO and field acidified:	YES NO			
LABORATORY INFORMATION Date sample analyzed: 10/9/17		Laboratory Name: Tes	t America	C	Certification No. 269	
PARAMETERS NOTE: Values should re	flect dissolved a					
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead	mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l			
(Note: Use MPN method for highly turbid samples)		Orthophosphate	mg/l	Other (Specify Compo	ounds and Concentration Units):	:
Dissolved Solids: Total	mg/l	Al - Aluminum		TCL Pesticides - R	Results attached	
pH (when analyzed)	units	Ba - Barium	mg/l			
TOC	mg/l	Ca - Calcium	mg/l			
Chloride		Cd - Cadmium				
Arsenic		Chromium: Total	mg/l			
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC, 0	GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron	mg/l	(Specify test and met	thod #. ATTACH LAB REPOR	Т.)
Sulfate	mg/l	Hg - Mercury	mg/l	Report Attached?	☐ Yes (1) ※ No (0)	
Specific Conductance	μMhos	K - Potassium	mg/l	Pest & Biphenyls	, method # <u>8081B / 8082</u>	2A_
Total Ammonia	mg/l	Mg - Magnesium	mg/l		, method #	
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, T	otal)	Mn - Manganese	mg/l		, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach La	ab Reports):	Influent Total VOCs:	mg/L Efflue	nt Total VOCs:	mg/L VOC Remova	al%
I certify that, to the best of my knowledge and belief, the DWQ-certified laboratory. I am aware that there are si					•	a
Garland Hilliard - Director, Environme	ental Remediat	ion				

GROUNDWATER QUALITY MON COMPLIANCE REPORT FORM	ITORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING (1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Pho	
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number: Expiration Date: 0	` ,
Facility Name: Geigy Chemical Corporation Site				Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive			TYPE OF PERMITTED OPERATION BEING MONIT		
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon ☐ Remediation: In	
(City)	(State) (Zip)			☐ Spray Field 🗷 Remediation: G	•
Contact Person: Garland Hilliard		Telephone#: 423.336.	4479	Rotary Distributor Land Application	
Well Location/Site Name:		No. of wells to be sam	pled:	☐ Water Source Heat Pump ☐ Other:	-
SAMPLING INFORMATION			(Irom Permit)		If WELL
WELL ID NUMBER (from Permit): M\	<i>N</i> -22D	Date sample collected:	10/3/17	FIELD ANALYSES:	WAS
Well Depth: 85.73 ft.		Well Diameter:	2 in.	pH <u>4.30</u> units Temp. <u>18.50</u> °C	DRY at
Depth to Water Level:64.60 ft. below	measuring point	Screened Interval:	75.7 ft. to 85.7		time of sampling,
Measuring Point isft. above	e land surface	Relative M.P. Elevation:	449.23 ft.	Odor None	check
Volume of water pumped/bailed before sa	impling: 4.	<u>0</u> gallons		Appearance Clear	here:
Samples for metals were collected unfilte	ered: □YES [☐ NO and field acidified: ☐ `	YES 🗆 NO		
LABORATORY INFORMATION Date sample analyzed: 10/9/17		Laboratory Name: Test	t America	Certification No. 269	
PARAMETERS NOTE: Values should					
COD	mg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zincmg/l	
Coliform: MF Total (Note: Use MPN method for highly turbid sample	/100ml	Phosphorus: Total as P			
	,	Orthophosphate		TOL B. 11 1 1 1 1 1 1 1 1	Units):
Dissolved Solids: Total		Al - Aluminum		· · · · ·	
pH (when analyzed)		Ba - Barium			
TOC		Ca - Calcium			
Chloride		Cd - Cadmium		· · · · ·	
Arsenic		Chromium: Total			
Grease and Oils		Cu - Copper	_		
Phenol		· · · · · · · · · · · · · · · · · · ·	mg/l		•
Sulfate		Hg - Mercury		• * * * * * * * * * * * * * * * * * * *	` '
Specific Conductance		K - Potassium			808ZA
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitroge	mg/l n. Total)	Mg - Magnesium	mg/l		
	,	Mn - Manganese			
TKN as N	mg/l	Ni - Nickel	mg/l	, method #	
For Remediation Systems Only (Attach	. ,	Influent Total VOCs:			emoval%
I certify that, to the best of my knowledge and belied DWQ-certified laboratory. I am aware that there are				atory analytical data was produced using approved methods of ana mprisonment for knowing violations.	alysis by a
Garland Hilliard - Director, Environ	mental Remediati	ion			

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM			Mail original DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES and 1 copy to: 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-			
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number:	05/04	,
Facility Name: Geigy Chemical Corp	oration Site			Non-Discharge WQ00099		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OP	ERATION BEING MONITORE	D
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	☐ Remediation: Infiltrati	
(City)	(State) (Zip)			☐ Spray Field		
Contact Person: Garland Hilliard		Telephone#: 423.336.	.4479	☐ Rotary Distributor	☐ Land Application of S	ludge
Well Location/Site Name:			pled:	☐ Water Source Heat P	ump Other:	
SAMPLING INFORMATION			(from Permit)			If WELL
WELL ID NUMBER (from Permit): MW	-23D	Date sample collected:	10/3/17	FIELD ANALYSES:		WAS
Well Depth: 87.96 ft.		Well Diameter:		pH 4.19 units	Temp. <u>18.26</u> °C	DRY at
Depth to Water Level: 64.38 ft. below r	neasuring point	<u>-</u>	77.9 ft. to 87.9			time of
Measuring Point isft. above	= :	Relative M.P. Elevation:		Odor None		sampling, check
Volume of water pumped/bailed before sam		.0 _{gallons}		Appearance Clea	ar	here:
Samples for metals were collected unfilter		\square NO and field acidified: \square	YES □NO			
LABORATORY INFORMATION Date sample analyzed: 10/9/17		Laboratory Name: Tes	t America		Certification No. 269	
PARAMETERS NOTE: Values should r			,	5		
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total (Note: Use MPN method for highly turbid samples)	/100ml	Phosphorus: Total as P				
		Orthophosphate			ounds and Concentration Units):
Dissolved Solids: Total		Al - Aluminum		TCL Pesticides -	Results attached	
pH (when analyzed)		Ba - Barium				
TOC		Ca - Calcium				<u></u>
Chloride		Cd - Cadmium				
Arsenic		Chromium: Total				<u></u>
Grease and Oils		Cu - Copper		ORGANICS: (by GC,		
Phenol		Fe - Iron		`	ethod #. ATTACH LAB REPOR	RT.)
Sulfate		Hg - Mercury		Report Attached?		0.4
Specific Conductance	μMhos	K - Potassium			, method # <u>8081B / 808</u>	2A_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen,	mg/l	Mg - Magnesium			, method #	
		Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach L	ab Reports):	Influent Total VOCs:	mg/L Efflue	ent Total VOCs:	mg/L VOC Remo	val%
I certify that, to the best of my knowledge and belief, t DWQ-certified laboratory. I am aware that there are s						ру а
Garland Hilliard - Director, Environm	ental Remediati	on				

GROUNDWATER QUALITY MOI COMPLIANCE REPORT FORM	NITORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNI 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone	
FACILITY INFORMATION	Please Print C	learly or Type		PERMIT Number: Expiration Date: 05/3	• •
Facility Name: Geigy Chemical Corporation Site				Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive			TYPE OF PERMITTED OPERATION BEING MONITOR		
Aberdeen (Street)	NC 28315	County Moore		☐ Lagoon ☐ Remediation: Infiltr	
(City)	(State) (Zip)			☐ Spray Field 🗷 Remediation: Gro	•
Contact Person: Garland Hilliard		Telephone#: _423.336	.4479	Rotary Distributor Land Application of	
Well Location/Site Name:		No. of wells to be san		☐ Water Source Heat Pump ☐ Other:	-
SAMPLING INFORMATION			(from Permit)		If WELL
WELL ID NUMBER (from Permit):	1W-26D	Date sample collected:	10/4/17	FIELD ANALYSES:	WAS
Well Depth: 27.35 ft.		Well Diameter:		рН <u>4.26</u> units Тетр. <u>18.37</u> °С	DRY at
Depth to Water Level: 6.56 ft. belo	w measuring point	Screened Interval:	17.3 ft. to 27.3		time of
Measuring Point isft. above		Relative M.P. Elevation:		Odor None	sampling, check
Volume of water pumped/bailed before s	sampling: 4.0	O_gallons		Appearance Clear	here:
Samples for metals were collected unfil	Itered: YES	NO and field acidified:	YES 🗆 NO	·· ———————————————————————————————————	
LABORATORY INFORMATION Date sample analyzed: 10/10/17		Laboratory Name: Tes	t America	Certification No. 269	_
PARAMETERS NOTE: Values shoul					
COD	mg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zincmg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P			
	,	Orthophosphate		TOLD 1111 D. 11 11 11	its):
Dissolved Solids: Total		Al - Aluminum			
pH (when analyzed)		Ba - Barium			
TOC		Ca - Calcium			
Chloride		Cd - Cadmium			
Arsenic		Chromium: Total			
Grease and Oils		Cu - Copper	_		
Phenol		· · · · · · · · · · · · · · · · · · ·	mg/l		•
Sulfate		Hg - Mercury		•	,
Specific Conductance		K - Potassium			J82A_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrog	mg/l gen. Total)	Mg - Magnesium	mg/l	· · · · · · · · · · · · · · · · · · ·	
		Mn - Manganese		· · · · · · · · · · · · · · · · · · ·	
TKN as N	mg/l	Ni - Nickel	mg/l	, method #	
For Remediation Systems Only (Attac	. ,	Influent Total VOCs:		ent Total VOCs:mg/L VOC Ren	
I certify that, to the best of my knowledge and beli DWQ-certified laboratory. I am aware that there a				atory analytical data was produced using approved methods of analys mprisonment for knowing violations.	is by a
Garland Hilliard - Director, Environ	nmental Remediation	on			

GROUNDWATER QUALITY MON COMPLIANCE REPORT FORM	IITORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919)	733-3221
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number: Expiration Date: 05/31/18	
Facility Name: Geigy Chemical Corporation Site				Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive			TYPE OF PERMITTED OPERATION BEING MONITORED		
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon ☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)			☐ Spray Field	•
Contact Person: Garland Hilliard		Telephone#: 423.336.	.4479	Rotary Distributor Land Application of Slud	
Well Location/Site Name:				☐ Water Source Heat Pump ☐ Other:	-
			(from Permit)	'	
SAMPLING INFORMATION WELL ID NUMBER (from Permit): M	//\-30D	Date sample collected:	10/3/17	FIFE D ANALYSES.	If WELL WAS
Well Depth: 75.38 ft.	VV-30D	Date sample collected: _ Well Diameter:		_ FIELD ANALYSES: pH 3.45 units Temp. 16.48 °C	DRY at
Depth to Water Level: 55.00 ft. below	w massuring point		65.3 ft. to 75.3		time of
Measuring Point isft. abov		Relative M.P. Elevation:		Odor None	sampling,
Volume of water pumped/bailed before sa			401.20 II.	Appearance Clear	check here:
Samples for metals were collected unfil t		☐ NO and field acidified: ☐ `	VES NO	Appearance <u>Clear</u>	
LABORATORY INFORMATION Date sample analyzed: PEST 10/9/17		Laboratory Name: Tes		Certification No. 269	
PARAMETERS NOTE: Values should					
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Leadmg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l		
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l		
(Note: Use MPN method for highly turbid samp	les)	Orthophosphate	mg/l	Other (Specify Compounds and Concentration Units):	
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCL Pesticides - Results attached	
pH (when analyzed)	units	Ba - Barium	mg/l	TCE - Results attached	
TOC	mg/l	Ca - Calcium	mg/l		_
Chloride	mg/l	Cd - Cadmium	mg/l		_
Arsenic	mg/l	Chromium: Total	mg/l		_
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC, GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron	mg/l	(Specify test and method #. ATTACH LAB REPORT.)
Sulfate		Hg - Mercury	mg/l		
Specific Conductance	μMhos	K - Potassium	mg/l		_
Total Ammonia	mg/l	Mg - Magnesium	mg/l	Pest & Biphenyls , method # 8081B / 8082A	<u> </u>
(Ammonia Nitrogen; NH ₃ as N; Ammonia Nitrogen)	en, Total)	Mn - Manganese	mg/l	, method #	_
TKN as N	mg/l	Ni - Nickel	mg/l	, method #	_
For Remediation Systems Only (Attack	n Lab Reports):	Influent Total VOCs:	mg/L Efflue	ent Total VOCs:mg/L VOC Removal	%
I certify that, to the best of my knowledge and belied DWQ-certified laboratory. I am aware that there are				ratory analytical data was produced using approved methods of analysis by a imprisonment for knowing violations.	
Garland Hilliard - Director, Enviror			- possibility of fillos and in	mproviment a morning rotations.	
					

GROUNDWATER QUALITY MONITOR COMPLIANCE REPORT FORM	RING:		Mail original and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 PM	UNIT
FACILITY INFORMATION	Please Print	Clearly or Type		PERMIT Number: Expiration Date:	. ,
Facility Name: Geigy Chemical Corporation Site					30,01,10
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPERATION BEING MONI	
	NC 283	15 County Moore		☐ Lagoon ☐ Remediation: I	
(City) (Sta		Countyc		☐ Spray Field ■ Remediation:	•
Contact Person: Garland Hilliard		Telephone#: _423.336.4	479	Rotary Distributor Land Application	
Well Location/Site Name:				☐ Water Source Heat Pump ☐ Other:	_
		146. 61 Wolld to be sumpl	(from Permit)	— Water course float famp — cirici.	
SAMPLING INFORMATION			0/2/47		If WELL
WELL ID NUMBER (from Permit): MW-22	L	Date sample collected: 1		FIELD ANALYSES:	WAS DRY at
Well Depth: <u>145.20</u> ft.		Well Diameter:		pH <u>3.81</u> units Temp. <u>17.91</u> °	time of
Depth to Water Level: 66.68 ft. below mean		Screened Interval: _1			sampling,
Measuring Point isft. above land		Relative M.P. Elevation:	449.51 ft.	Odor None	check
Volume of water pumped/bailed before samplin	_			Appearance <u>Clear</u>	here:
Samples for metals were collected unfiltered:	∟YES	□ NO and field acidified: □ YE	ES LINO		
LABORATORY INFORMATION Date sample analyzed: 10/9/17		Laboratory Name: Test	America	Certification No. 269	
PARAMETERS NOTE: Values should refle	ct dissolved				
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Leadmg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l		
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l	· · · · · · · · · · · · · · · · · · ·	
(Note: Use MPN method for highly turbid samples)		Orthophosphate	mg/l	Other (Specify Compounds and Concentration	n Units):
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCL Pesticides - Results attached	
pH (when analyzed)	units	Ba - Barium		l	
TOC	mg/l	Ca - Calcium		·	
Chloride	mg/l	Cd - Cadmium			
Arsenic		Chromium: Total			
Grease and Oils		Cu - Copper		ORGANICS: (by GC, GC/MS, HPLC)	
Phenol		Fe - Iron	mg/l	(Specify test and method #. ATTACH LAB F	REPORT.)
Sulfate	mg/l	Hg - Mercury	mg/l	Report Attached? Yes (1)	No (0)
Specific Conductance	μMhos	K - Potassium		Pest & Biphenyls , method # 8081B	/ 8082A
Total Ammonia	mg/l	Mg - Magnesium	mg/l	, method #	
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, Total)		Mn - Manganese			
TKN as N	mg/l	Ni - Nickel			
For Remediation Systems Only (Attach Lab	- /	Influent Total VOCs:			Removal%
I certify that, to the best of my knowledge and belief, the in DWQ-certified laboratory. I am aware that there are significant.				ratory analytical data was produced using approved methods of ar imprisonment for knowing violations.	nalysis by a
Garland Hilliard - Director, Environment	al Remedia	tion			

GROUNDWATER QUALITY MON COMPLIANCE REPORT FORM	ITORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919)	733-3221
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number: Expiration Date: 05/31/18	
Facility Name: Geigy Chemical Corporation Site				Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPERATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon ☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)			☐ Spray Field Remediation: Groundw	•
Contact Person: Garland Hilliard		Telephone#: 423.336	.4479	☐ Rotary Distributor ☐ Land Application of Slude	ge
Well Location/Site Name:		No. of wells to be same	pled:	☐ Water Source Heat Pump ☐ Other:	
SAMPLING INFORMATION			(HOIIIT GITHL)		If WELL
WELL ID NUMBER (from Permit): M\	N-25L	Date sample collected:	10/4/17	FIELD ANALYSES:	WAS
Well Depth: 74.60 ft.		Well Diameter:	<u>2</u> in.	pH <u>4.33</u> units Temp. <u>17.72</u> ℃	DRY at
Depth to Water Level: 25.22 ft. below	measuring point	Screened Interval:	64.6 ft. to 74.6	ft. Spec. Cond. 31 µMhos	time of sampling,
Measuring Point isft. above		Relative M.P. Elevation:	384.63 ft.	Odor None	check
Volume of water pumped/bailed before sa				Appearance Clear	here:
Samples for metals were collected unfilte	ered: YES	☐ NO and field acidified: ☐	YES 🗆 NO		
LABORATORY INFORMATION Date sample analyzed: 10/10/17		Laboratory Name: Tes	t America	Certification No. 269	
PARAMETERS NOTE: Values should					
COD	mg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zincmg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P			
(Note: Use MPN method for highly turbid sample	,	Orthophosphate			
Dissolved Solids: Total		Al - Aluminum		TCL Pesticides - Results attached	_
pH (when analyzed)		Ba - Barium		-	_
TOC		Ca - Calcium			_
Chloride		Cd - Cadmium			_
Arsenic		Chromium: Total			_
Grease and Oils		Cu - Copper			
Phenol		· · · · · · · · · · · · · · · · · · ·	mg/l)
Sulfate		Hg - Mercury		•	
Specific Conductance	·	K - Potassium			_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitroge	mg/l n. Total)	Mg - Magnesium	mg/l		_
	,	Mn - Manganese			_
TKN as N	mg/l	Ni - Nickel			
For Remediation Systems Only (Attach	. ,	Influent Total VOCs:		ent Total VOCs:mg/L VOC Removal?	<u></u>
I certify that, to the best of my knowledge and belied DWQ-certified laboratory. I am aware that there are				atory analytical data was produced using approved methods of analysis by a mprisonment for knowing violations.	
Garland Hilliard - Director, Environ	·				

GROUNDWATER QUALITY MONITO COMPLIANCE REPORT FORM	ORING:		and 1 copy to:		IT & NATURAL RESOURCES NFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (9	19) 733-3221
FACILITY INFORMATION	Please Print	Clearly or Type	-	PERMIT Number:	05/04	,
Facility Name: Geigy Chemical Corpor	ration Site			Non-Discharge WQ00099		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive					ERATION BEING MONITORE	D
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	Remediation: Infiltrati	
	(State) (Zip)	<u> </u>		☐ Spray Field		-
Contact Person: Garland Hilliard		Telephone#: 423.336.4	4479	☐ Rotary Distributor	☐ Land Application of S	
Well Location/Site Name:				☐ Water Source Heat P	ump Other:	
SAMPLING INFORMATION			(If WELL
WELL ID NUMBER (from Permit): MW-2	27L	Date sample collected:	10/4/17	FIELD ANALYSES:		WAS
Well Depth: 86.54 ft.		Well Diameter:		pH 4.02 units	· · · · · · · · · · · · · · · · · · ·	DRY at time of
Depth to Water Level: 32.51 ft. below me	= :	Screened Interval:		ft. Spec. Cond.	88 μMhos	sampling,
Measuring Point isft. above lar		Relative M.P. Elevation: _	397.13 ft.	Odor <u>None</u>		check
Volume of water pumped/bailed before samp				Appearance Clea	ar	here:
Samples for metals were collected unfiltered	d: □YES	☐ NO and field acidified: ☐ \	∕ES □NO			
LABORATORY INFORMATION Date sample analyzed: 10/10/17		Laboratory Name: Test	America	(Certification No. 269	
PARAMETERS NOTE: Values should ref	lect dissolved a					
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P				
(Note: Use MPN method for highly turbid samples)		Orthophosphate	mg/l	Other (Specify Compo	ounds and Concentration Units):
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCL Pesticides - I	Results attached	
pH (when analyzed)		Ba - Barium				
TOC	mg/l	Ca - Calcium	mg/l			
Chloride	mg/l	Cd - Cadmium	mg/l			
Arsenic		Chromium: Total	mg/l			
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC,	GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron			ethod #. ATTACH LAB REPOR	RT.)
Sulfate		Hg - Mercury		Report Attached?		
Specific Conductance	μMhos	K - Potassium	mg/l	Pest & Biphenyls	, method # <u>8081B / 808</u>	2A
Total Ammonia	mg/l	Mg - Magnesium	mg/l		, method #	
(Ammonia Nitrogen; NH ₃ as N; Ammonia Nitrogen, To		Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach La	. ,	Influent Total VOCs:		ent Total VOCs:	mg/L VOC Remov	
I certify that, to the best of my knowledge and belief, the DWQ-certified laboratory. I am aware that there are sig					•	by a
Garland Hilliard - Director, Environme	ntal Remediat	ion				

GROUNDWATER QUALITY MONITO COMPLIANCE REPORT FORM	RING:		and 1 copy to:		NT & NATURAL RESOURCES NFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (919) 733-3221
FACILITY INFORMATION	Please Print	Clearly or Type		PERMIT Number:	25/2	,
Facility Name: Geigy Chemical Corpora	ation Site			Non-Discharge WQ00099		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPI	ERATION BEING MONITORE	:D
Aberdeen (Street)	NC 283	15 County Moore		☐ Lagoon	☐ Remediation: Infiltrat	
(City) (S	State) (Zip)			☐ Spray Field		-
Contact Person: Garland Hilliard		Telephone#: 423.336.4	4479	☐ Rotary Distributor	☐ Land Application of S	Sludge
Well Location/Site Name:				☐ Water Source Heat P	ump Other:	
SAMPLING INFORMATION			(HOIII I GITIIL)			If WELL
WELL ID NUMBER (from Permit): MW-3	1L	Date sample collected:	10/3/17	FIELD ANALYSES:		WAS
Well Depth: 22.0 ft.		Well Diameter: _	<u>2</u> in.	pH <u>4.33</u> units	Temp. <u>23.84</u> °C	DRY at
Depth to Water Level: 3.29 ft. below me	asuring point	Screened Interval:	12.0 ft. to 22.	ft. Spec. Cond.		time of sampling,
Measuring Point isft. above lan	d surface	Relative M.P. Elevation: _	332.68 ft.	Odor None		check
Volume of water pumped/bailed before sampli	ng: <u>3</u>	.0_gallons		Appearance Clea	ar	here:
Samples for metals were collected unfiltered	I: □YES	□ NO and field acidified: □ \	∕ES □NO			
LABORATORY INFORMATION Date sample analyzed: 10/9/17		Laboratory Name: _Test	America		Certification No. 269	
PARAMETERS NOTE: Values should refl	ect dissolved					
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l			
(Note: Use MPN method for highly turbid samples)		Orthophosphate	mg/l	Other (Specify Compo	ounds and Concentration Units	s):
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	TCL Pesticides - I	Results attached	
pH (when analyzed)		Ba - Barium				
TOC	mg/l	Ca - Calcium	mg/l			
Chloride	mg/l	Cd - Cadmium	mg/l			
Arsenic		Chromium: Total	mg/l			
Grease and Oils	mg/l	Cu - Copper	mg/l	ORGANICS: (by GC,	GC/MS, HPLC)	
Phenol	mg/l	Fe - Iron	mg/l	(Specify test and me	ethod #. ATTACH LAB REPO	-
Sulfate		Hg - Mercury		Report Attached?		
Specific Conductance	μMhos	K - Potassium	mg/l	Pest & Biphenyls	, method # <u>8081B / 808</u>	32A_
Total Ammonia	mg/l	Mg - Magnesium	mg/l		, method #	
(Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, Tot	aı)	Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach Lab	Reports):	Influent Total VOCs:	mg/L Efflue	ent Total VOCs:	mg/L VOC Remo	oval%
I certify that, to the best of my knowledge and belief, the DWQ-certified laboratory. I am aware that there are sign					•	by a
Garland Hilliard - Director, Environmen	ntal Remedia	tion				

GROUNDWATER QUALITY MON COMPLIANCE REPORT FORM	IITORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919)	733-3221
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number: Expiration Date: 05/31/18	
Facility Name: Geigy Chemical Co	rporation Site			Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPERATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon ☐ Remediation: Infiltration	Gallery
(City)	(State) (Zip)			☐ Spray Field 🗷 Remediation: Groundw	•
Contact Person: Garland Hilliard		Telephone#: _423.336.	4479	☐ Rotary Distributor ☐ Land Application of Slud	ge
Well Location/Site Name:		No. of wells to be sam	pled:	☐ Water Source Heat Pump ☐ Other:	
SAMPLING INFORMATION			(IIOIII FeITIIII)		If WELL
WELL ID NUMBER (from Permit):	W-32L	Date sample collected:	10/4/17	FIELD ANALYSES:	WAS
Well Depth: 26.99 ft.		Well Diameter:	<u>2</u> in.	pH <u>4.83</u> units Temp. <u>19.44</u> °C	DRY at
Depth to Water Level: 4.82 ft. below	w measuring point	Screened Interval:	16.9 ft. to 26.9	ft. Spec. Cond. 45 μMhos	time of sampling,
Measuring Point isft. abov	e land surface	Relative M.P. Elevation:	322.45 ft.	Odor None	check
Volume of water pumped/bailed before sa	ampling: 4.0	<u>0_g</u> allons		Appearance Clear	here:
Samples for metals were collected unfile	tered: □YES [☐ NO and field acidified: ☐ `	YES 🗆 NO		
LABORATORY INFORMATION Date sample analyzed: 10/10/17		Laboratory Name: Test	t America	Certification No. 269	
PARAMETERS NOTE: Values should					
COD	mg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zincmg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P			
	,	Orthophosphate		TO 5 11 11 5 11 11 11	
Dissolved Solids: Total		Al - Aluminum			_
pH (when analyzed)		Ba - Barium			_
TOC		Ca - Calcium			_
Chloride		Cd - Cadmium			_
Arsenic		Chromium: Total			_
Grease and Oils		Cu - Copper			
Phenol		· · · · · · · · · · · · · · · · · · ·	mg/l		
Sulfate		Hg - Mercury		•	
Specific Conductance		K - Potassium			_
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrog	mg/l en. Total)	Mg - Magnesium	mg/l		_
	,	Mn - Manganese			_
TKN as N	mg/l	Ni - Nickel			_
For Remediation Systems Only (Attack	. ,	Influent Total VOCs:		ent Total VOCs:mg/L VOC Removal	/o
I certify that, to the best of my knowledge and belied DWQ-certified laboratory. I am aware that there as				atory analytical data was produced using approved methods of analysis by a mprisonment for knowing violations.	
Garland Hilliard - Director, Enviror	nmental Remediati	on			

GROUNDWATER QUALITY MON COMPLIANCE REPORT FORM	IITORING:		Mail original and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-	-3221
FACILITY INFORMATION	Please Print C	learly or Type		PERMIT Number: Expiration Date: 05/31/18	
Facility Name: Geigy Chemical Co	rporation Site			Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive			_	TYPE OF PERMITTED OPERATION BEING MONITORED	
Aberdeen (Street)	NC 28315	County Moore		☐ Lagoon ☐ Remediation: Infiltration Gal	llery
(City)	(State) (Zip)			☐ Spray Field Remediation: Groundwate	-
Contact Person: Garland Hilliard		Telephone#: 423.336	.4479	Rotary Distributor Land Application of Sludge	
Well Location/Site Name:		No. of wells to be same	npled:	☐ Water Source Heat Pump ☐ Other:	
SAMPLING INFORMATION			(Hom Fernic)	lf	WELL
WELL ID NUMBER (from Permit): M	W-36L	Date sample collected:	10/4/17	112271111210201	VAS
Well Depth: 106.0 ft.		Well Diameter:	<u>2</u> in.	DE TIZE UNIS TEMP. TIME	ORY at
Depth to Water Level: 36.15 ft. below	w measuring point	Screened Interval:	96.0 ft. to 106	TH Spac Cond 24 HIVIIUS I	ime of ampling,
Measuring Point isft. abov	e land surface	Relative M.P. Elevation:	414.18 ft.	Odor None c	heck
Volume of water pumped/bailed before sa	ampling:12	2_gallons		Appearance <u>Clear</u> h	iere:
Samples for metals were collected unfil t	tered: YES	NO and field acidified:	YES NO		
LABORATORY INFORMATION Date sample analyzed: 10/10/17		Laboratory Name: Tes	t America	Certification No. 269	
PARAMETERS NOTE: Values should					
COD	mg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		I Zn - Zincmg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P	_		
(Note: Use MPN method for highly turbid samp	,	Orthophosphate			
Dissolved Solids: Total		Al - Aluminum		TCL Pesticides - Results attached	
pH (when analyzed)		Ba - Barium			
TOC		Ca - Calcium			
Chloride		Cd - Cadmium			
Arsenic		Chromium: Total			
Grease and Oils		Cu - Copper			
Phenol		· · · · · · · · · · · · · · · · · · ·	mg/l		
Sulfate		Hg - Mercury			
Specific Conductance		K - Potassium			
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrog	mg/l	Mg - Magnesium	mg/l		
	,	Mn - Manganese			
TKN as N	mg/l	Ni - Nickel	mg/l	, method #	
For Remediation Systems Only (Attack	n Lab Reports):	Influent Total VOCs:	mg/L Efflu	uent Total VOCs:mg/L VOC Removal% _	
I certify that, to the best of my knowledge and belied DWQ-certified laboratory. I am aware that there as				ratory analytical data was produced using approved methods of analysis by a imprisonment for knowing violations.	
Garland Hilliard - Director, Enviror				<u> </u>	
				,	

GROUNDWATER QUALITY MON COMPLIANCE REPORT FORM	IITORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (9 [,]	19) 733-3221
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number: Expiration Date: 05/31/	•
Facility Name: Geigy Chemical Co	rporation Site			Non-Discharge WQ0009949 UIC	
Permit Name (if different):	•			NPDES Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPERATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon ☐ Remediation: Infiltration	
(City)	(State) (Zip)			☐ Spray Field Remediation: Groun	•
Contact Person: Garland Hilliard		Telephone#: 423.336.	.4479	☐ Rotary Distributor ☐ Land Application of SI	udge
Well Location/Site Name:		No. of wells to be sam		☐ Water Source Heat Pump ☐ Other:	-
SAMPLING INFORMATION			(from Permit)		If WELL
WELL ID NUMBER (from Permit):	W-37L	Date sample collected:	10/4/17	FIELD ANALYSES:	WAS
Well Depth: 46.18 ft.		 Well Diameter:		pH <u>4.13</u> units Temp. <u>17.21</u> °C	DRY at
Depth to Water Level: 11.94 ft. below	w measuring point	Screened Interval:	36.1 ft. to 46.1		time of
Measuring Point isft. abov		Relative M.P. Elevation:	354.86 ft.	Odor None	sampling, check
Volume of water pumped/bailed before sa	ampling: 6.0) _{gallons}		Appearance Clear	here:
Samples for metals were collected unfilt	ered: YES	□ NO and field acidified: □	YES 🗆 NO	··	
LABORATORY INFORMATION Date sample analyzed: 10/10/17		Laboratory Name: Tes	t America	Certification No. 269	
PARAMETERS NOTE: Values should					
COD	mg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zincmg/l	
Coliform: MF Total (Note: Use MPN method for highly turbid samp)	/100ml	Phosphorus: Total as P			
	,	Orthophosphate		Other (Specify Compounds and Concentration Units)	:
Dissolved Solids: Total		Al - Aluminum		TCL Pesticides - Results attached	
pH (when analyzed)		Ba - Barium			
TOC		Ca - Calcium			<u> </u>
Chloride		Cd - Cadmium			<u></u>
Arsenic		Chromium: Total			<u></u>
Grease and Oils		Cu - Copper		ORGANICS: (by GC, GC/MS, HPLC)	
Phenol		· · · · · · · · · · · · · · · · · · ·	mg/l	(Specify test and method #. ATTACH LAB REPOR	(T.)
Sulfate		Hg - Mercury		Report Attached? X Yes (1) No (0)	2.4
Specific Conductance		K - Potassium		Pest & Biphenyls , method # 8081B / 8082	<u> 2A</u>
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitroge	mg/l en. Total)	Mg - Magnesium	mg/l	, method #	
	,	Mn - Manganese		, method #	
TKN as N	mg/l	Ni - Nickel	mg/l	, method #	
For Remediation Systems Only (Attach	. ,	Influent Total VOCs:		ent Total VOCs:mg/L VOC Remov	
I certify that, to the best of my knowledge and belie DWQ-certified laboratory. I am aware that there ar				atory analytical data was produced using approved methods of analysis by mprisonment for knowing violations.	y a
Garland Hilliard - Director, Environ	mental Remediati	on			

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UN 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phon	
	nt Clearly or Type		PERMIT Number: Expiration Date: 05,	. ,
Facility Name: Geigy Chemical Corporation Site			Non-Discharge WQ0009949 UIC	
Permit Name (if different):			NPDES Other	
Facility Address: Domino Drive			TYPE OF PERMITTED OPERATION BEING MONITO	
	315 County Moore		☐ Lagoon ☐ Remediation: Infili	
(City) (State) (Zip			☐ Spray Field	•
Contact Person: Garland Hilliard	Telephone#: _423.336.	.4479	☐ Rotary Distributor ☐ Land Application of	of Sludge
Well Location/Site Name:	No. of wells to be same	pled: (from Permit)	☐ Water Source Heat Pump ☐ Other:	
SAMPLING INFORMATION		(from Permit)		If WELL
WELL ID NUMBER (from Permit): MW-38L	Date sample collected:	10/3/17	FIELD ANALYSES:	WAS
Well Depth: 28.14 ft.	Well Diameter:	2 in.	pH <u>5.50</u> units Temp. <u>20.57</u> °C	DRY at
Depth to Water Level: 10.59 ft. below measuring point	Screened Interval:	18.1 ft. to 28.1 f	•	time of sampling,
Measuring Point isft. above land surface	Relative M.P. Elevation:	327.30 ft.	Odor None	check
Volume of water pumped/bailed before sampling:	3.0 gallons		Appearance Clear	here:
Samples for metals were collected unfiltered : ☐YES	☐ NO and field acidified: ☐	YES 🗆 NO		
LABORATORY INFORMATION Date sample analyzed: 10/9/17	Laboratory Name: Tes	t America	Certification No. 269	_
PARAMETERS NOTE: Values should reflect dissolved				
COD mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Leadmg/l	
Coliform: MF Fecal/100ml	Nitrate (NO ₃) as N		Zn - Zincmg/l	
Coliform: MF Total/100ml (Note: Use MPN method for highly turbid samples)	Phosphorus: Total as P			
	Orthophosphate		Other (Specify Compounds and Concentration U	nits):
Dissolved Solids: Totalmg/l	Al - Aluminum		TCL Pesticides - Results attached	
pH (when analyzed)units	Ba - Barium			
TOCmg/l	Ca - Calcium			
Chloridemg/l	Cd - Cadmium			
Arsenicmg/l	Chromium: Total			
Grease and Oilsmg/l	Cu - Copper	_	ORGANICS: (by GC, GC/MS, HPLC)	
Phenolmg/l	· · · · · · · · · · · · · · · · · · ·	mg/l	(Specify test and method #. ATTACH LAB REI	•
Sulfatemg/l Specific Conductance μMhos	Hg - Mercury		Report Attached? X Yes (1) No	` '
	K - Potassium		Pest & Biphenyls , method # 8081B / 8	3081A
Total Ammoniamg/l (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, Total)	Mg - Magnesium	mg/l	, method #	
	Mn - Manganese		, method #	
TKN as Nmg/l	Ni - Nickel	mg/l	, method #	
For Remediation Systems Only (Attach Lab Reports):	Influent Total VOCs:		nt Total VOCs:mg/L VOC Re	
I certify that, to the best of my knowledge and belief, the information subm DWQ-certified laboratory. I am aware that there are significant penalties to				rsis by a
Garland Hilliard - Director, Environmental Remedia	ation			

GROUNDWATER QUALITY MONICOMPLIANCE REPORT FORM	TORING:		and 1 copy to:		NT & NATURAL RESOURCES NFORMATION PROCESSING UNIT ALEIGH, NC 27699-1617 Phone: (9	19) 733-3221
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number:	0.5 (0.4	•
Facility Name: Geigy Chemical Corp	oration Site			Non-Discharge WQ00099		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OP	ERATION BEING MONITOREI)
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	☐ Remediation: Infiltrati	
(City)	(State) (Zip)			☐ Spray Field		
Contact Person: Garland Hilliard		Telephone#: 423.336	.4479	☐ Rotary Distributor	☐ Land Application of S	ludge
Well Location/Site Name:			npled:	☐ Water Source Heat P	Pump Dther:	
SAMPLING INFORMATION			(from Permit)			If WELL
WELL ID NUMBER (from Permit): MV	/-39L	Date sample collected:	10/4/17	FIELD ANALYSES:		WAS
Well Depth: 20.29 ft.		Well Diameter:		pH 4.29 units	Temp. 21.81 °C	DRY at
Depth to Water Level: 4.43 ft. below	measuring point		10.2 ft. to 20.2	· · · · · · · · · · · · · · · · · · ·	92 μMhos	time of
Measuring Point isft. above	= -	Relative M.P. Elevation:		_{Odor} None		sampling, check
Volume of water pumped/bailed before sar				Appearance Clea	ar	here:
Samples for metals were collected unfilte		□ NO and field acidified: □	YES 🗆 NO			
LABORATORY INFORMATION Date sample analyzed: 10/11/17		Laboratory Name: Tes	t America		Certification No. 269	
PARAMETERS NOTE: Values should				5	,,	
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Lead		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N	mg/l	Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P				
		Orthophosphate			ounds and Concentration Units):
Dissolved Solids: Total		Al - Aluminum		TCL Pesticides -	Results attached	
pH (when analyzed)		Ba - Barium				
тос		Ca - Calcium				
Chloride		Cd - Cadmium				
Arsenic		Chromium: Total				
Grease and Oils		Cu - Copper		ORGANICS: (by GC,		
Phenol		Fe - Iron		`	ethod #. ATTACH LAB REPOR	RT.)
Sulfate		Hg - Mercury		Report Attached?		•
Specific Conductance	μMhos	K - Potassium		·	, method # <u>8081B / 808</u>	<u>2A</u>
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen	mg/l	Mg - Magnesium			, method #	<u></u>
		Mn - Manganese			, method #	
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach	Lab Reports):	Influent Total VOCs:	mg/L Efflue	ent Total VOCs:	mg/L VOC Remov	/al%
I certify that, to the best of my knowledge and belief, DWQ-certified laboratory. I am aware that there are					•	y a
Garland Hilliard - Director, Environn	nental Remediati	ion				

GROUNDWATER QUALITY MONITO COMPLIANCE REPORT FORM	RING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-322	1
FACILITY INFORMATION	Please Print	f Clearly or Type		PERMIT Number: Expiration Date: 05/31/18	-
Facility Name: Geigy Chemical Corpora	ation Site			Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPERATION BEING MONITORED	
Aberdeen (Street)	NC 283	15 County Moore		☐ Lagoon ☐ Remediation: Infiltration Gallery	/ /
	State) (Zip)			☐ Spray Field	
Contact Person: Garland Hilliard		Telephone#: _423.336.44	479	☐ Rotary Distributor ☐ Land Application of Sludge	
Well Location/Site Name:		No. of wells to be sample	ed:	☐ Water Source Heat Pump ☐ Other:	
SAMPLING INFORMATION			(Holli Fellill)	lf Wi	ELL
WELL ID NUMBER (from Permit): MW-40	0L	Date sample collected: 10)/4/17	_ FIELD ANALYSES: WAS	3
Well Depth: 27.76 ft.		Well Diameter:	2 in.	pH <u>4.31</u> units Temp. <u>19.22</u> °C DRY	
Depth to Water Level: 2.81 ft. below mea	asuring point	Screened Interval: 17	7.7 ft. to 27.7	ft. Spec. Cond. 41 µMhos time sam	
Measuring Point isft. above lane	d surface	Relative M.P. Elevation:	334.45 ft.	Odor None chec	
Volume of water pumped/bailed before sampli				Appearance Cloudy here	: [
Samples for metals were collected unfiltered	: UYES	☐ NO and field acidified: ☐ YE	S 🗆 NO		
LABORATORY INFORMATION Date sample analyzed: 10/12/17		Laboratory Name: Test A	America	Certification No. 269	
PARAMETERS NOTE: Values should refle					
COD_	mg/l	Nitrite (NO ₂) as N	mg/l		
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N			
Coliform: MF Total (Note: Use MPN method for highly turbid samples)	/100ml	Phosphorus: Total as P	_		
		Orthophosphate			
Dissolved Solids: Total		Al - Aluminum			
pH (when analyzed)		Ba - Barium			
TOC		Ca - Calcium			
Chloride		Cd - Cadmium			
Arsenic		Chromium: Total			
Grease and Oils		Cu - Copper			
Phenol		Fe - Iron			
Sulfate		Hg - Mercury			
Specific Conductance		K - Potassium			
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, Tota	mg/l	Mg - Magnesium	mg/l		
	,	Mn - Manganese			
TKN as N	mg/l	Ni - Nickel	mg/l	, method #	
For Remediation Systems Only (Attach Lab	. ,	Influent Total VOCs:		ent Total VOCs:mg/L VOC Removal%	
I certify that, to the best of my knowledge and belief, the DWQ-certified laboratory. I am aware that there are sign				ratory analytical data was produced using approved methods of analysis by a imprisonment for knowing violations.	
Garland Hilliard - Director, Environmen	ntal Remedia	ation			

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM		Mail origina and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221
FACILITY INFORMATION Please Print Clearly	or Type		PERMIT Number: Expiration Date: 05/31/18
Facility Name: Geigy Chemical Corporation Site			Non-Discharge WQ0009949 UIC
Permit Name (if different):		_	NPDES Other
Facility Address: Domino Drive		_	TYPE OF PERMITTED OPERATION BEING MONITORED
Aberdeen (Street) NC 28315	County Moore		☐ Lagoon ☐ Remediation: Infiltration Gallery
(City) (State) (Zip)			☐ Spray Field Remediation: Groundwater
Contact Person: Garland Hilliard	Telephone#: 423.336.	4479	Rotary Distributor Land Application of Sludge
Well Location/Site Name:	No. of wells to be same	pled:	☐ Water Source Heat Pump ☐ Other:
SAMPLING INFORMATION		(from Permit)	If WELI
WELL ID NUMBER (from Permit): PZ-2	Date sample collected:	10/4/17	FIELD ANALYSES: WAS
Well Depth: 36.18 ft.	Well Diameter:	2 in.	pH <u>3.59</u> units Temp. <u>18.58</u> °C DRY at
Depth to Water Level:5.57 ft. below measuring point	Screened Interval:	26.1 ft. to 36.1	
Measuring Point isft. above land surface	Relative M.P. Elevation: _	343.79 ft.	Odor None check
Volume of water pumped/bailed before sampling:8.0 ga	allons		Appearance Slightly cloudy here:
	O and field acidified:	YES NO	
LABORATORY INFORMATION Date sample analyzed: 10/11/17	Laboratory Name: Test	America	Certification No. 269
PARAMETERS NOTE: Values should reflect dissolved and c			
CODmg/l	Nitrite (NO ₂) as N	mg/	
Coliform: MF Fecal/100ml	Nitrate (NO ₃) as N		g/l Zn - Zincmg/l
Coliform: MF Total/100ml [Note: Use MPN method for highly turbid samples]	Phosphorus: Total as P	_	
	Orthophosphate		
Dissolved Solids: Totalmg/l	Al - Aluminum		· · · · · · · · · · · · · · · · · · ·
pH (when analyzed)units	Ba - Barium		
TOCmg/l	Ca - Calcium		
Chloridemg/l	Cd - Cadmium		· · · · · · · · · · · · · · · · · · ·
Arsenicmg/l	Chromium: Total		
Grease and Oilsmg/l	Cu - Copper		
Phenolmg/l		mg/	
Sulfatemg/l Specific Conductance μMhos	Hg - Mercury		•
	K - Potassium		
Total Ammoniamg/l (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen, Total)	Mg - Magnesium	mg/	
	Mn - Manganese		
TKN as Nmg/l	Ni - Nickel	mg/	n/l, method #
	uent Total VOCs:		luent Total VOCs:mg/L VOC Removal%
I certify that, to the best of my knowledge and belief, the information submitted in t DWQ-certified laboratory. I am aware that there are significant penalties for subm			
Garland Hilliard - Director, Environmental Remediation			

GROUNDWATER QUALITY MONICOMPLIANCE REPORT FORM	TORING:		and 1 copy to:	DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT 1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 73	3-3221
FACILITY INFORMATION	Please Print C	Clearly or Type		PERMIT Number: Expiration Date: 05/31/18	
Facility Name: Geigy Chemical Corp	oration Site			Non-Discharge WQ0009949 UIC	
Permit Name (if different):				NPDES Other	
Facility Address: Domino Drive				TYPE OF PERMITTED OPERATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon ☐ Remediation: Infiltration Ga	allery
(City)	(State) (Zip)			☐ Spray Field	-
Contact Person: Garland Hilliard		Telephone#: _423.336.	4479	☐ Rotary Distributor ☐ Land Application of Sludge)
Well Location/Site Name:		No. of wells to be sam	pled:	☐ Water Source Heat Pump ☐ Other:	
SAMPLING INFORMATION			(Hom Fernit)		If WELL
WELL ID NUMBER (from Permit): PZ-	3	Date sample collected: _	10/4/17		WAS
Well Depth: 61.54 ft.		Well Diameter:	<u>2</u> in.	DH 0.77 UNIS Temp. 10.02 0	DRY at
Depth to Water Level: 35.33 ft. below	measuring point	Screened Interval:	51.5 ft. to 61.5 f	ff Spac Cond ZA IIIVIIOS I	time of sampling,
Measuring Point isft. above	land surface	Relative M.P. Elevation:	381.02 ft.	O L. NODO	check
Volume of water pumped/bailed before san				Appearance Clear	here:
Samples for metals were collected unfilte	red: YES	\square NO and field acidified: \square $`$	YES NO		
LABORATORY INFORMATION Date sample analyzed: 10/11/17		Laboratory Name: Test	t America	Certification No. 269	
PARAMETERS NOTE: Values should i					
COD	mg/l	Nitrite (NO ₂) as N	mg/l	Pb - Leadmg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zincmg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P			
(Note: Use MPN method for highly turbid samples	,	Orthophosphate		Other (Specify Compounds and Concentration Units):	
Dissolved Solids: Total		Al - Aluminum		TCL Pesticides - Results attached	
pH (when analyzed)		Ba - Barium			
TOC		Ca - Calcium			•
Chloride		Cd - Cadmium			•
Arsenic		Chromium: Total			i
Grease and Oils		Cu - Copper		ORGANICS: (by GC, GC/MS, HPLC)	
Phenol		· · · · · · · · · · · · · · · · · · ·	mg/l	(Specify test and method #. ATTACH LAB REPORT.)	
Sulfate		Hg - Mercury		Report Attached? X Yes (1) No (0)	
Specific Conductance		K - Potassium		Pest & Biphenyls , method # 8081B / 8082A	
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen,	mg/l . Total)	Mg - Magnesium	mg/l	, method #	
	,	Mn - Manganese		, method #	•
TKN as N	mg/l	Ni - Nickel		, method #	
For Remediation Systems Only (Attach	. ,	Influent Total VOCs:		ent Total VOCs:mg/L VOC Removal%	
I certify that, to the best of my knowledge and belief, DWQ-certified laboratory. I am aware that there are				tory analytical data was produced using approved methods of analysis by a approved methods of analysis by a approximate for knowing violations.	
Garland Hilliard - Director, Environn	·				
					

GROUNDWATER QUALITY MONIT	TORING:		Mail original and 1 copy to:		NT & NATURAL RESOURCES NFORMATION PROCESSING UNIT LALEIGH, NC 27699-1617 Phone: (9:	19) 733-3221
FACILITY INFORMATION	Please Print (Clearly or Type		PERMIT Number:		
Facility Name: Geigy Chemical Corp	oration Site			Non-Discharge WQ00099		
Permit Name (if different):				NPDES	Other	
Facility Address: Domino Drive			_		ERATION BEING MONITORED	
Aberdeen (Street)	NC 2831	5 County Moore		☐ Lagoon	Remediation: Infiltration	
(City)	(State) (Zip)			☐ Spray Field	Remediation: Groun	•
Contact Person: Garland Hilliard		Telephone#: 423.336	.4479	☐ Rotary Distributor	☐ Land Application of SI	udge
Well Location/Site Name:				☐ Water Source Heat F	Pump Other:	_
SAMPLING INFORMATION			(from Permit)			If WELL
WELL ID NUMBER (from Permit): PZ-	5	Date sample collected:	10/4/17	FIELD ANALYSES:		WAS
Well Depth: 30.12 ft.		Well Diameter:	2 in.	pH <u>4.05</u> units	Temp20.60_°C	DRY at
Depth to Water Level:6.99 ft. below r	measuring point	Screened Interval:	20.1 ft. to 30.1	ft. Spec. Cond.	79 μMhos	time of sampling,
Measuring Point isft. above	and surface	Relative M.P. Elevation:	335.98 ft.	Odor None		check
Volume of water pumped/bailed before sam	npling: 4	.0 gallons		Appearance Cle	ar	here:
Samples for metals were collected unfilter	ed: 🗆 YES	☐ NO and field acidified: ☐	YES 🗆 NO			
LABORATORY INFORMATION Date sample analyzed: 10/10/17		Laboratory Name: Tes	t America		Certification No. 269	
PARAMETERS NOTE: Values should r						
COD	mg/l	Nitrite (NO ₂) as N	mg/l		mg/l	
Coliform: MF Fecal	/100ml	Nitrate (NO ₃) as N		Zn - Zinc	mg/l	
Coliform: MF Total	/100ml	Phosphorus: Total as P				
(Note: Use MPN method for highly turbid samples		Orthophosphate			ounds and Concentration Units)):
Dissolved Solids: Total		Al - Aluminum		TCL Pesticides -	Results attached	
pH (when analyzed)		Ba - Barium				
TOC		Ca - Calcium				
Chloride		Cd - Cadmium				
Arsenic		Chromium: Total				
Grease and Oils		Cu - Copper		· ·		
Phenol			mg/l		ethod #. ATTACH LAB REPOR	PT.)
Sulfate		Hg - Mercury		=	☐ Yes (1) ☐ No (0)	O. A.
Specific Conductance		K - Potassium			, method # <u>8081B / 8082</u>	<u>2A </u>
Total Ammonia (Ammonia Nitrogen; NH₃as N; Ammonia Nitrogen,	mg/l	Mg - Magnesium	mg/l		, method #	-
	,	Mn - Manganese		·	, method #	-
TKN as N	mg/l	Ni - Nickel	mg/l		, method #	
For Remediation Systems Only (Attach L	ab Reports):	Influent Total VOCs:	mg/L Efflu	ent Total VOCs:	mg/L VOC Remov	ral%
I certify that, to the best of my knowledge and belief, to DWQ-certified laboratory. I am aware that there are s						y a
Garland Hilliard - Director, Environm	nental Remediat	ion				



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-136787-1

Client Project/Site: Geigy Chemical Corp.

For:

EnviroTrac, Ltd. 7343 W. Friendly Avenue Suite J Greensboro, North Carolina 27410

Attn: Chris Hay

Michele RKuszy

Authorized for release by: 4/6/2017 12:24:49 PM

Michele Kersey, Project Manager II (912)354-7858

michele.kersey@testamericainc.com

.....LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Job ID: 680-136787-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp.

Report Number: 680-136787-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 3/28/2017 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5° C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Effluent (680-136787-1), Carbon A-1 (680-136787-2), Carbon B-1 (680-136787-3) and Influent (680-136787-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/06/2017.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-474972.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples Effluent (680-136787-1), Carbon A-1 (680-136787-2), Carbon B-1 (680-136787-3) and Influent (680-136787-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 04/01/2017 and analyzed on 04/04/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

The following sample contained an allowable number of surrogate compounds outside limits: Carbon B-1 (680-136787-3). These results have been reported and qualified.

Samples Carbon B-1 (680-136787-3)[5X] and Influent (680-136787-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Lab Sample ID	Client Sample ID	Matrix	Collected Received
680-136787-1	Effluent	Water	03/27/17 14:21 03/28/17 09:10
680-136787-2	Carbon A-1	Water	03/27/17 14:46 03/28/17 09:1
680-136787-3	Carbon B-1	Water	03/27/17 14:57 03/28/17 09:10
680-136787-4	Influent	Water	03/27/17 15:09 03/28/17 09:1

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Method Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Qualifier Description

GC Semi VOA

Ouglifier

Quaimer	Quaimer Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity

EDL **Estimated Detection Limit** MDC Minimum detectable concentration MDL Method Detection Limit

MLMinimum Level (Dioxin) NC Not Calculated

Not detected at the reporting limit (or MDL or EDL if shown) ND

PQL **Practical Quantitation Limit**

QC **Quality Control RER** Relative error ratio

RLReporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Lab Sample ID: 680-136787-1

Matrix: Water

Client Sample ID: Effluent Date Collected: 03/27/17 14:21 Date Received: 03/28/17 09:10

Method: 8260B - Volatile O	rganic Compo	unds (GC/	MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/06/17 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120			•		04/06/17 02:16	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					04/06/17 02:16	1
Dibromofluoromethane (Surr)	98		80 - 122					04/06/17 02:16	1
4-Bromofluorobenzene (Surr)	105		80 - 120					04/06/17 02:16	1

Method: 8081B/8082A - C Analyte		Qualifier	RL			D Prepared	Analyzed	Dil Fac
Aldrin	0.049	\overline{U}	0.049	0.0071	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
alpha-BHC	0.049	U	0.049	0.0076	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
alpha-Chlordane	0.049	U	0.049	0.0097	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
beta-BHC	0.049	U	0.049	0.012	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
4,4'-DDD	0.049	U	0.049	0.0075	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
4,4'-DDE	0.049	U	0.049	0.0072	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
4,4'-DDT	0.049	U	0.049	0.0083	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
delta-BHC	0.049	U	0.049	0.013	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Dieldrin	0.049	U	0.049	0.0084	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Endosulfan I	0.049	U	0.049	0.0080	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Endrin	0.049	Ü	0.049	0.0086	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Endrin ketone	0.049	U	0.049	0.0087	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0081	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Heptachlor	0.049	U	0.049	0.0077	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Heptachlor epoxide	0.049	U	0.049	0.0079	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Toxaphene	4.9	U	4.9	0.19	ug/L	04/01/17 13:1	3 04/04/17 15:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		10 - 130			04/01/17 13:1	3 04/04/17 15:45	1
Tetrachloro-m-xylene	44		39 - 130			04/01/17 13:1	3 04/04/17 15:45	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Date Received: 03/28/17 09:10

TestAmerica Job ID: 680-136787-1

Lab Sample ID: 680-136787-2

Matrix: Water

Client Sample ID: Carbon A-1 Date Collected: 03/27/17 14:46

Method: 8260B - Volatile O	rganic Compo	unds (GC/	MS)						
Analyte	•	Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/06/17 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					04/06/17 02:39	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131					04/06/17 02:39	1
Dibromofluoromethane (Surr)	98		80 - 122					04/06/17 02:39	1
4-Bromofluorobenzene (Surr)	105		80 - 120					04/06/17 02:39	1

Method: 8081B/8082A - C Analyte		Qualifier	ŘL		Unit	Ď		Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		04/01/17 13:13	04/04/17 16:02	1
alpha-BHC	0.049	U	0.049	0.0077	ug/L		04/01/17 13:13	04/04/17 16:02	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		04/01/17 13:13	04/04/17 16:02	1
beta-BHC	0.049	Ü	0.049	0.012	ug/L		04/01/17 13:13	04/04/17 16:02	1
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		04/01/17 13:13	04/04/17 16:02	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		04/01/17 13:13	04/04/17 16:02	1
4,4'-DDT	0.049	Ü	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:02	1
delta-BHC	0.049	U	0.049	0.013	ug/L		04/01/17 13:13	04/04/17 16:02	1
Dieldrin	0.049	U	0.049	0.0084	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endosulfan I	0.049	Ü	0.049	0.0080	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endrin	0.049	U	0.049	0.0086	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endrin ketone	0.049	U	0.049	0.0087	ug/L		04/01/17 13:13	04/04/17 16:02	1
gamma-BHC (Lindane)	0.049	Ü	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 16:02	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:02	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		04/01/17 13:13	04/04/17 16:02	1
Heptachlor epoxide	0.049	Ü	0.049	0.0080	ug/L		04/01/17 13:13	04/04/17 16:02	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		04/01/17 13:13	04/04/17 16:02	1
Toxaphene	4.9	U	4.9	0.19	ug/L		04/01/17 13:13	04/04/17 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		10 - 130				04/01/17 13:13	04/04/17 16:02	1
Tetrachloro-m-xylene	41		39 - 130				04/01/17 13:13	04/04/17 16:02	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Lab Sample ID: 680-136787-3

Matrix: Water

Client Sample ID: Carbon B-1 Date Collected: 03/27/17 14:57

Date Received: 03/28/17 09:10

Method: 8260B - Volatile O	rganic Compo	unds (GC/	MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/06/17 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120					04/06/17 03:02	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131					04/06/17 03:02	1
Dibromofluoromethane (Surr)	98		80 - 122					04/06/17 03:02	1
4-Bromofluorobenzene (Surr)	102		80 - 120					04/06/17 03:02	1

Method: 8081B/8082A - O Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		04/01/17 13:13	04/04/17 16:18	1
alpha-BHC	0.024	J	0.048	0.0074	ug/L		04/01/17 13:13	04/04/17 16:18	1
alpha-Chlordane	0.048	U	0.048	0.0095	ug/L		04/01/17 13:13	04/04/17 16:18	1
beta-BHC	1.5		0.24	0.057	ug/L		04/01/17 13:13	04/04/17 18:15	5
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		04/01/17 13:13	04/04/17 16:18	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		04/01/17 13:13	04/04/17 16:18	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		04/01/17 13:13	04/04/17 16:18	1
delta-BHC	0.20		0.048	0.012	ug/L		04/01/17 13:13	04/04/17 16:18	1
Dieldrin	0.26		0.048	0.0082	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endosulfan I	0.036	J	0.048	0.0078	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endrin	0.048	U	0.048	0.0084	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endrin ketone	0.20		0.048	0.0085	ug/L		04/01/17 13:13	04/04/17 16:18	1
gamma-BHC (Lindane)	0.018	Jp	0.048	0.0079	ug/L		04/01/17 13:13	04/04/17 16:18	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		04/01/17 13:13	04/04/17 16:18	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		04/01/17 13:13	04/04/17 16:18	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		04/01/17 13:13	04/04/17 16:18	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		04/01/17 13:13	04/04/17 16:18	1
Toxaphene	3.9	J	4.8	0.18	ug/L		04/01/17 13:13	04/04/17 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		10 - 130				04/01/17 13:13	04/04/17 16:18	1
Tetrachloro-m-xylene	33	X	39 - 130				04/01/17 13:13	04/04/17 16:18	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Lab Sample ID: 680-136787-4

Matrix: Water

Date Collected: 03/27/17 15:09 Date Received: 03/28/17 09:10

Client Sample ID: Influent

Method: 8260B - Volatile O	rganic Compo	unds (GC/	MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/06/17 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					04/06/17 03:25	1
1,2-Dichloroethane-d4 (Surr)	96		73 - 131					04/06/17 03:25	1
Dibromofluoromethane (Surr)	100		80 - 122					04/06/17 03:25	1
4-Bromofluorobenzene (Surr)	101		80 - 120					04/06/17 03:25	1

Method: 8081B/8082A - O Analyte		Qualifier	ŘL		Unit	Ď	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0071	ug/L		04/01/17 13:13	04/04/17 16:35	1
alpha-BHC	0.044	J	0.049	0.0076	ug/L		04/01/17 13:13	04/04/17 16:35	1
alpha-Chlordane	0.049	U	0.049	0.0097	ug/L		04/01/17 13:13	04/04/17 16:35	1
beta-BHC	2.8		0.49	0.12	ug/L		04/01/17 13:13	04/04/17 18:32	10
4,4'-DDD	0.049	U	0.049	0.0075	ug/L		04/01/17 13:13	04/04/17 16:35	1
4,4'-DDE	0.049	U	0.049	0.0072	ug/L		04/01/17 13:13	04/04/17 16:35	1
4,4'-DDT	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:35	1
delta-BHC	0.44		0.049	0.013	ug/L		04/01/17 13:13	04/04/17 16:35	1
Dieldrin	0.46		0.049	0.0084	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endosulfan I	0.052		0.049	0.0080	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endrin	0.049	Ü	0.049	0.0086	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endrin ketone	0.34		0.049	0.0087	ug/L		04/01/17 13:13	04/04/17 16:35	1
gamma-BHC (Lindane)	0.040	J	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 16:35	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:35	1
Heptachlor	0.049	U	0.049	0.0077	ug/L		04/01/17 13:13	04/04/17 16:35	1
Heptachlor epoxide	0.049	U	0.049	0.0079	ug/L		04/01/17 13:13	04/04/17 16:35	1
Methoxychlor	0.049	U	0.049	0.0090	ug/L		04/01/17 13:13	04/04/17 16:35	1
Toxaphene	4.1	J p	4.9	0.18	ug/L		04/01/17 13:13	04/04/17 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		10 - 130				04/01/17 13:13	04/04/17 16:35	1
Tetrachloro-m-xylene	46		39 - 130				04/01/17 13:13	04/04/17 16:35	1

TestAmerica Job ID: 680-136787-1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Method: 8260B - Volatile Organic Compounds (GC/MS)

MB MB

Lab Sample ID: MB 680-474972/8 **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA

Analysis Batch: 474972

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/05/17 19:22	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120			-		04/05/17 19:22	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					04/05/17 19:22	1
Dibromofluoromethane (Surr)	97		80 - 122					04/05/17 19:22	1
4-Bromofluorobenzene (Surr)	102		80 - 120					04/05/17 19:22	1

Lab Sample ID: LCS 680-474972/3 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 474972**

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Trichloroethene	50.0	49.4		ug/L		99	80 - 120	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	94		73 - 131
Dibromofluoromethane (Surr)	96		80 - 122
4-Bromofluorobenzene (Surr)	97		80 - 120

Lab Sample ID: LCSD 680-474972/4 **Client Sample ID: Lab Control Sample Dup Matrix: Water Prep Type: Total/NA**

Analysis Batch: 474972

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Trichloroethene	 50.0	50.5		ug/L		101	80 - 120	2	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	103		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		73 - 131
Dibromofluoromethane (Surr)	100		80 - 122
4-Bromofluorobenzene (Surr)	99		80 - 120

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-474515/10-A **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA **Analysis Batch: 474762 Prep Batch: 474515**

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		04/01/17 13:13	04/04/17 13:48	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		04/01/17 13:13	04/04/17 13:48	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		04/01/17 13:13	04/04/17 13:48	1
beta-BHC	0.050	U	0.050	0.012	ug/L		04/01/17 13:13	04/04/17 13:48	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		04/01/17 13:13	04/04/17 13:48	1

TestAmerica Job ID: 680-136787-1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: MB 680-474515/10-A **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA Analysis Batch: 474762 Prep Batch: 474515**

	MB	MB						•	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		04/01/17 13:13	04/04/17 13:48	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		04/01/17 13:13	04/04/17 13:48	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/01/17 13:13	04/04/17 13:48	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endrin	0.050	U	0.050	0.0088	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		04/01/17 13:13	04/04/17 13:48	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		04/01/17 13:13	04/04/17 13:48	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		04/01/17 13:13	04/04/17 13:48	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		04/01/17 13:13	04/04/17 13:48	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		04/01/17 13:13	04/04/17 13:48	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		04/01/17 13:13	04/04/17 13:48	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/01/17 13:13	04/04/17 13:48	1

MB MB Limits Surrogate %Recovery Qualifier Prepared Analyzed Dil Fac DCB Decachlorobiphenyl 55 10 - 130 <u>04/01/17 13:13</u> <u>04/04/17 13:48</u> Tetrachloro-m-xylene 52 39 - 130 04/01/17 13:13 04/04/17 13:48

Lab Sample ID: LCS 680-474515/11-A

Matrix: Water

Analysis Batch: 474762

			Prep Batch: 474515 %Rec.	
Jnit	D	%Rec	Limits	
ıg/L		65	48 - 130	
ıg/L		67	45 - 130	
ıg/L		67	60 - 130	
ıg/L		65	50 - 130	
ıg/L		72	52 ₋ 130	

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 4/4/62	Spike	LCS I	LCS				%Rec.
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits
Aldrin	0.100	0.0646		ug/L		65	48 - 130
alpha-BHC	0.100	0.0675		ug/L		67	45 - 130
alpha-Chlordane	0.100	0.0673		ug/L		67	60 - 130
beta-BHC	0.100	0.0654		ug/L		65	50 - 130
4,4'-DDD	0.100	0.0725		ug/L		72	52 - 130
4,4'-DDE	0.100	0.0659		ug/L		66	48 - 130
4,4'-DDT	0.100	0.0789		ug/L		79	59 - 130
delta-BHC	0.100	0.0722		ug/L		72	47 - 140
Dieldrin	0.100	0.0698		ug/L		70	55 - 130
Endosulfan I	0.100	0.0604		ug/L		60	27 - 130
Endosulfan II	0.100	0.0718		ug/L		72	39 - 130
Endosulfan sulfate	0.100	0.0739		ug/L		74	57 ₋ 130
Endrin	0.100	0.0854		ug/L		85	62 - 131
Endrin aldehyde	0.100	0.0778		ug/L		78	39 - 177
Endrin ketone	0.100	0.0675		ug/L		68	47 - 130
gamma-BHC (Lindane)	0.100	0.0632		ug/L		63	47 - 130
gamma-Chlordane	0.100	0.0740		ug/L		74	50 - 145
Heptachlor	0.100	0.0669		ug/L		67	49 - 130
Heptachlor epoxide	0.100	0.0664		ug/L		66	54 - 130
Methoxychlor	0.100	0.0977		ug/L		98	53 - 130

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography (Continued)

Lab Sample ID: LCS 680-474515/11-A

Lab Sample ID: LCSD 680-474515/12-A

Matrix: Water

Matrix: Water

Methoxychlor

Analysis Batch: 474762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474515

LCS LCS

Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl 56 10 - 130 Tetrachloro-m-xylene 48 39 - 130

Client Sample ID: Lab Control Sample Dup

108

53 - 130

10

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Prep Type: Total/NA

Prep Batch: 474515

Analysis Batch: 474762 LCSD LCSD %Rec. **RPD** Spike Added D %Rec Limits RPD Limit **Analyte** Result Qualifier Unit Aldrin 0.100 0.0784 ug/L 78 48 - 130 19 40 alpha-BHC 0.100 0.0790 79 45 - 130 30 ug/L 16 alpha-Chlordane 0.100 0.0809 ug/L 81 60 - 130 18 50 beta-BHC 0.100 0.0778 78 ug/L 50 - 130 17 40 4,4'-DDD 0.100 0.0829 ug/L 83 52 - 13013 40 4,4'-DDE 0.100 0.0772 ug/L 77 48 - 130 16 30 4,4'-DDT 0.100 0.0904 ug/L 90 59 - 130 14 40 delta-BHC 0.100 0.0911 ug/L 91 47 - 140 23 30 Dieldrin 0.100 0.0824 ug/L 82 55 - 130 17 30 73 Endosulfan I 0.100 0.0728 ug/L 27 - 130 19 30 Endosulfan II 0.100 0.0832 ug/L 83 39 - 130 15 30 Endosulfan sulfate 0.100 0.0847 ug/L 85 57 - 130 14 40 Endrin 0.100 0.0947 ug/L 95 62 - 131 10 30 Endrin aldehyde 0.100 0.0916 92 39 - 177 16 40 ug/L Endrin ketone 0.100 0.0800 80 47 - 130 17 40 ug/L gamma-BHC (Lindane) 0.100 0.0761 ug/L 76 47 - 130 18 30 gamma-Chlordane 87 50 0.100 0.0873 ug/L 50 - 145 16 Heptachlor 0.100 0.0786 ug/L 79 49 - 130 16 30 ug/L Heptachlor epoxide 0.100 0.0779 78 54 - 130 16 40

0.100

0.108

ug/L

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
DCB Decachlorobiphenyl	67	10 - 130
Tetrachloro-m-xylene	57	39 - 130

QC Association Summary

 ${\it Client: EnviroTrac, Ltd.}$

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

GC/MS VOA

Analysis Batch: 474972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-136787-1	Effluent	Total/NA	Water	8260B	
680-136787-2	Carbon A-1	Total/NA	Water	8260B	
680-136787-3	Carbon B-1	Total/NA	Water	8260B	
680-136787-4	Influent	Total/NA	Water	8260B	
MB 680-474972/8	Method Blank	Total/NA	Water	8260B	
LCS 680-474972/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-474972/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 474515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-136787-1	Effluent	Total/NA	Water	3520C	
680-136787-2	Carbon A-1	Total/NA	Water	3520C	
680-136787-3	Carbon B-1	Total/NA	Water	3520C	
680-136787-4	Influent	Total/NA	Water	3520C	
MB 680-474515/10-A	Method Blank	Total/NA	Water	3520C	
LCS 680-474515/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-474515/12-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 474762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-136787-1	Effluent	Total/NA	Water	8081B/8082A	474515
680-136787-2	Carbon A-1	Total/NA	Water	8081B/8082A	474515
680-136787-3	Carbon B-1	Total/NA	Water	8081B/8082A	474515
680-136787-3	Carbon B-1	Total/NA	Water	8081B/8082A	474515
680-136787-4	Influent	Total/NA	Water	8081B/8082A	474515
680-136787-4	Influent	Total/NA	Water	8081B/8082A	474515
MB 680-474515/10-A	Method Blank	Total/NA	Water	8081B/8082A	474515
LCS 680-474515/11-A	Lab Control Sample	Total/NA	Water	8081B/8082A	474515
LCSD 680-474515/12-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	474515

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Lab Sample ID: 680-136787-1

Matrix: Water

Client Sample ID: Effluent Date Collected: 03/27/17 14:21 Date Received: 03/28/17 09:10

Batch Batch Dilution Batch Prepared **Prep Type** Method Factor Number Type Run or Analyzed Analyst Lab Total/NA Analysis 8260B 474972 04/06/17 02:16 TAL SAV 3520C TAL SAV Total/NA Prep 474515 04/01/17 13:13 WRB Total/NA Analysis 8081B/8082A 474762 04/04/17 15:45 JCK TAL SAV

Client Sample ID: Carbon A-1 Lab Sample ID: 680-136787-2

Matrix: Water

Date Collected: 03/27/17 14:46 Date Received: 03/28/17 09:10

Batch Batch Dilution **Batch** Prepared Method Number Prep Type Type Run **Factor** or Analyzed Analyst Lab 474972 04/06/17 02:39 TAL SAV Total/NA Analysis 8260B CEJ Total/NA 3520C 474515 04/01/17 13:13 WRB TAL SAV Prep TAL SAV 8081B/8082A 474762 04/04/17 16:02 JCK Total/NA Analysis 1

Client Sample ID: Carbon B-1 Lab Sample ID: 680-136787-3

. Matrix: Water

Date Collected: 03/27/17 14:57 Date Received: 03/28/17 09:10

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			474972	04/06/17 03:02	CEJ	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		1	474762	04/04/17 16:18	JCK	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		5	474762	04/04/17 18:15	JCK	TAL SAV

Client Sample ID: Influent Lab Sample ID: 680-136787-4

Date Collected: 03/27/17 15:09 Matrix: Water

Date Received: 03/28/17 09:10

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			474972	04/06/17 03:25	CEJ	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		1	474762	04/04/17 16:35	JCK	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		10	474762	04/04/17 18:32	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

TestAmerica J

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date	
	AFCEE		SAVLAB		
Alabama	State Program	4	41450	06-30-17	
Alaska (UST)	State Program	10	UST-104	11-05-17	
Arizona	State Program	9	AZ808	12-14-17	
Arkansas DEQ	State Program	6	88-0692	02-01-18	
California	State Program	9	2939	06-30-17 *	
Colorado	State Program	8	N/A	12-31-17	
Connecticut	State Program	1	PH-0161	03-31-17 *	
Florida	NELAP	4	E87052	06-30-17	
GA Dept. of Agriculture	State Program	4	N/A	06-12-17 *	
Georgia	State Program	4	N/A	06-30-17	
Georgia	State Program	4	803	06-30-17	
Guam	State Program	9	15-005r	04-16-17 *	
Hawaii	State Program	9	N/A	06-30-17	
Illinois	NELAP	5	200022	11-30-17	
ndiana	State Program	5	N/A	06-30-17	
lowa	State Program	7	353	06-30-17	
Kentucky (DW)	State Program	4	90084	12-31-17	
Kentucky (UST)	State Program	4	18	06-30-17	
Kentucky (WW)	State Program	4	90084	12-31-17	
L-A-B	DoD ELAP		L2463	09-22-19	
Louisiana	NELAP	6	30690	06-30-17	
Louisiana (DW)	NELAP	6	LA160019	12-31-17	
Maine	State Program	1	GA00006	09-24-18	
Maryland	State Program	3	250	12-31-17	
Massachusetts	State Program	1	M-GA006	06-30-17	
Michigan	State Program	5	9925	06-30-17	
Mississippi	State Program	4	N/A	06-30-17	
Nebraska	State Program	7	TestAmerica-Savannah	06-30-17	
New Jersey	NELAP	2	GA769	06-30-17 *	
New Mexico	State Program	6	N/A	06-30-17	
New York	NELAP	2	10842	03-31-17 *	
North Carolina (DW)	State Program	4	13701	07-31-17	
North Carolina (WW/SW)	State Program	4	269	12-31-17	
Oklahoma	State Program	6	9984	08-31-17	
Pennsylvania	NELAP	3	68-00474	06-30-17	
Puerto Rico	State Program	2	GA00006	12-31-17	
South Carolina	State Program	4	98001	06-30-17	
Tennessee	State Program	4	TN02961	06-30-17	
Texas	NELAP	6	T104704185-16-9	11-30-17	
US Fish & Wildlife	Federal	Ü	LE058448-0	10-31-17	
USDA	Federal		SAV 3-04	06-11-17 *	
Virginia	NELAP	3	460161	06-14-17 *	
Washington	State Program	10	C805	06-10-17 *	
West Virginia (DW)	State Program	3	9950C	12-31-17	
West Virginia (DVV) West Virginia DEP	State Program	3	094	06-30-17	
Wisconsin	State Program	5	999819810	08-31-17	
Wyoming	State Program	8	8TMS-L	06-31-17	

 $^{{}^{\}star}\operatorname{Accreditation/Certification\ renewal\ pending\ -\ accreditation/certification\ considered\ valid}.$

TestAmerica Savannah

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TestAmerica	OF CUSTODY R	ECORD	51	stAmerica S 02 LaRoche Ivannah, GA	Avenue		Website: w	ww.testamericaii 2) 354-7858 352-0165	nc.com
THE LEADER IN ENVIRONMENTAL TESTING	681-Atlanta		○ Al	ernate Labo	ratory Name/Lo	cation	Phone: Fax:		
PROJECT REFERENCE PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE			REQUIRE	ED ANALYSIS	10 (-)	PAGE U	OF
TAL (LAB) PROJECT MANAGER MICHAEL GERST P.O. NUMBER	CONTRACT NO.	u I	7					STANDARD F DELIVERY	REPORT
CLIENT (SITE) PM CLIENT PHONE	CLIENT FAX	INDICAT	SY SY	20				DATE DU	JE .
CLIENT NAME CLIENT E-MAIL	2	(9)	SO 50	200				EXPEDITED I	
Grarland Hilliard		3HAB	10 X 4	000				DELIVERY (SURCHARG	E)
CLIENT ADDRESS. DOOR ST. SUFFE 200, Cleveland	TN 37317	E (C) OR (WATER)	E P	1				DATE DU	JE
ENVIRONAC LTO, CONTRACTING THIS WORK (i applicable)		Land Con Hall	NONAQUEOUS LIQUID (OII	*	RESE	RVATI	VE	NUMBER OF PER SHIPME	COOLERS SUBMITTED NT:
SAMPLE SAMPLE IDENTIFICATIO	N	SOLIF AIR	NON	1	NUMBER OF CON	TAINERS SUBMIT	TTED		REMARKS
3/27/17 1421 Effwent		GX	4	X					
1 1446 Carbon A-1		11	1	1					
1457 Carbon B-1									
V 1509 Influent		14	1	4					
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							680-136787 Chair	n of Custody	-
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THE THE	TILOLIVED DI GIGNATOR				Time	NEOEIVED BY	(SIGNATURE)	DATE	TIVE
RECEIVED FOR LABORATORY BY: DATE TIME	CUSTODY INTACT	LABORATOR			LABORATOR	Y-REMARKS			
RECEIVED FOR LABORATORY BY: 3-28-17 PIO	YES O	CUSTODY SEAL NO.	LOG	NNAH NO.	1-5	PHEMARKS			

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-136787-1

Login Number: 136787 List Source: TestAmerica Savannah

List Number: 1

Creator: Flanagan, Naomi V

orouton rumagan, ruomi v		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-137929-1

Client Project/Site: Geigy Chemical Corp.

For:

EnviroTrac, Ltd. 7343 W. Friendly Avenue Suite J Greensboro, North Carolina 27410

Attn: Chris Hay

Michele RKusey

Authorized for release by: 5/8/2017 3:13:36 PM

Michele Kersey, Project Manager II (912)354-7858

michele.kersey@testamericainc.com

.....LINKS

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Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Job ID: 680-137929-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp.

Report Number: 680-137929-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 4/26/2017 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Effluent (680-137929-1), Carbon A-1 (680-137929-2), Carbon B-1 (680-137929-3) and Influent (680-137929-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/04/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples Effluent (680-137929-1), Carbon A-1 (680-137929-2), Carbon B-1 (680-137929-3) and Influent (680-137929-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 04/28/2017 and analyzed on 05/02/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Sample Influent (680-137929-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Sample Summary

 $Client: EnviroTrac, \, Ltd.$

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-137929-1	Effluent	Water	04/25/17 09:31	04/26/17 09:10
680-137929-2	Carbon A-1	Water	04/25/17 10:17	04/26/17 09:10
680-137929-3	Carbon B-1	Water	04/25/17 10:23	04/26/17 09:10
680-137929-4	Influent	Water	04/25/17 10:31	04/26/17 09:10

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Method Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Qualifiers

GC/MS VOA

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit

MDC Minimum detectable concentration
MDL Method Detection Limit
ML Minimum Level (Dioxin)

NC Not Calculated

ND Not detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control
RER Relative error ratio

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Lab Sample ID: 680-137929-1

Matrix: Water

Date Collected: 04/25/17 09:31 Date Received: 04/26/17 09:10

Client Sample ID: Effluent

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 20:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120			-		05/04/17 20:53	1
1,2-Dichloroethane-d4 (Surr)	105		73 - 131					05/04/17 20:53	1
Dibromofluoromethane (Surr)	90		80 - 122					05/04/17 20:53	1
4-Bromofluorobenzene (Surr)	100		80 - 120					05/04/17 20:53	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		04/28/17 14:00	05/02/17 15:33	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		04/28/17 14:00	05/02/17 15:33	1
alpha-Chlordane	0.050	U	0.050	0.0099	ug/L		04/28/17 14:00	05/02/17 15:33	1
beta-BHC	0.017	J	0.050	0.012	ug/L		04/28/17 14:00	05/02/17 15:33	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		04/28/17 14:00	05/02/17 15:33	1
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		04/28/17 14:00	05/02/17 15:33	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 15:33	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/28/17 14:00	05/02/17 15:33	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endrin	0.050	U	0.050	0.0088	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		04/28/17 14:00	05/02/17 15:33	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 15:33	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 15:33	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		04/28/17 14:00	05/02/17 15:33	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		04/28/17 14:00	05/02/17 15:33	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		04/28/17 14:00	05/02/17 15:33	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/28/17 14:00	05/02/17 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		10 - 130				04/28/17 14:00	05/02/17 15:33	1
Tetrachloro-m-xylene	56		39 - 130				04/28/17 14:00	05/02/17 15:33	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Lab Sample ID: 680-137929-2

Matrix: Water

Client Sample ID: Carbon A-1
Date Collected: 04/25/17 10:17
Date Received: 04/26/17 09:10

Method: 8260B - Volatile Organ	nic Compounds	(GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120			_		05/04/17 20:30	1
1,2-Dichloroethane-d4 (Surr)	103		73 - 131					05/04/17 20:30	1
Dibromofluoromethane (Surr)	91		80 - 122					05/04/17 20:30	1
4-Bromofluorobenzene (Surr)	103		80 - 120					05/04/17 20:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0072	ug/L		04/28/17 14:00	05/02/17 15:48	1
alpha-BHC	0.050	U	0.050	0.0077	ug/L		04/28/17 14:00	05/02/17 15:48	1
alpha-Chlordane	0.050	U	0.050	0.0099	ug/L		04/28/17 14:00	05/02/17 15:48	1
beta-BHC	0.017	J	0.050	0.012	ug/L		04/28/17 14:00	05/02/17 15:48	1
4,4'-DDD	0.050	U	0.050	0.0076	ug/L		04/28/17 14:00	05/02/17 15:48	1
4,4'-DDE	0.050	U	0.050	0.0073	ug/L		04/28/17 14:00	05/02/17 15:48	1
4,4'-DDT	0.050	U	0.050	0.0084	ug/L		04/28/17 14:00	05/02/17 15:48	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/28/17 14:00	05/02/17 15:48	1
Dieldrin	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endosulfan I	0.050	U	0.050	0.0081	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endosulfan II	0.050	U	0.050	0.0084	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endosulfan sulfate	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endrin	0.050	U	0.050	0.0087	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endrin ketone	0.050	U	0.050	0.0088	ug/L		04/28/17 14:00	05/02/17 15:48	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 15:48	1
gamma-Chlordane	0.050	U	0.050	0.0084	ug/L		04/28/17 14:00	05/02/17 15:48	1
Heptachlor	0.050	U	0.050	0.0078	ug/L		04/28/17 14:00	05/02/17 15:48	1
Heptachlor epoxide	0.050	U	0.050	0.0080	ug/L		04/28/17 14:00	05/02/17 15:48	1
Methoxychlor	0.050	U	0.050	0.0092	ug/L		04/28/17 14:00	05/02/17 15:48	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/28/17 14:00	05/02/17 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		10 - 130				04/28/17 14:00	05/02/17 15:48	1
Tetrachloro-m-xylene	54		39 - 130				04/28/17 14:00	05/02/17 15:48	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Lab Sample ID: 680-137929-3

Matrix: Water

Client Sample ID: Carbon B-1 Date Collected: 04/25/17 10:23

Date Received: 04/26/17 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120			-		05/04/17 21:16	1
1,2-Dichloroethane-d4 (Surr)	106		73 - 131					05/04/17 21:16	1
Dibromofluoromethane (Surr)	91		80 - 122					05/04/17 21:16	1
4-Bromofluorobenzene (Surr)	100		80 - 120					05/04/17 21:16	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		04/28/17 14:00	05/02/17 16:02	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		04/28/17 14:00	05/02/17 16:02	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		04/28/17 14:00	05/02/17 16:02	1
beta-BHC	0.050	U	0.050	0.012	ug/L		04/28/17 14:00	05/02/17 16:02	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		04/28/17 14:00	05/02/17 16:02	1
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		04/28/17 14:00	05/02/17 16:02	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 16:02	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/28/17 14:00	05/02/17 16:02	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endrin	0.050	U	0.050	0.0088	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		04/28/17 14:00	05/02/17 16:02	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 16:02	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 16:02	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		04/28/17 14:00	05/02/17 16:02	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		04/28/17 14:00	05/02/17 16:02	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		04/28/17 14:00	05/02/17 16:02	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/28/17 14:00	05/02/17 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		10 - 130				04/28/17 14:00	05/02/17 16:02	1
Tetrachloro-m-xylene	52		39 - 130				04/28/17 14:00	05/02/17 16:02	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Lab Sample ID: 680-137929-4

Matrix: Water

Date Collected: 04/25/17 10:31 Date Received: 04/26/17 09:10

Client Sample ID: Influent

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120			-		05/04/17 21:39	1
1,2-Dichloroethane-d4 (Surr)	105		73 - 131					05/04/17 21:39	1
Dibromofluoromethane (Surr)	90		80 - 122					05/04/17 21:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		04/28/17 14:00	05/02/17 16:17	1
alpha-BHC	0.047	J	0.049	0.0077	ug/L		04/28/17 14:00	05/02/17 16:17	1
alpha-Chlordane	0.049	U	0.049	0.0099	ug/L		04/28/17 14:00	05/02/17 16:17	1
beta-BHC	2.1		0.49	0.12	ug/L		04/28/17 14:00	05/02/17 17:18	10
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		04/28/17 14:00	05/02/17 16:17	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		04/28/17 14:00	05/02/17 16:17	1
4,4'-DDT	0.049	U	0.049	0.0084	ug/L		04/28/17 14:00	05/02/17 16:17	1
delta-BHC	0.35		0.049	0.013	ug/L		04/28/17 14:00	05/02/17 16:17	1
Dieldrin	0.38		0.049	0.0085	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endosulfan I	0.038	Jp	0.049	0.0081	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endosulfan II	0.049	U	0.049	0.0084	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endosulfan sulfate	0.049	U	0.049	0.0082	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endrin	0.049	U	0.049	0.0087	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endrin ketone	0.26		0.049	0.0088	ug/L		04/28/17 14:00	05/02/17 16:17	1
gamma-BHC (Lindane)	0.046	J	0.049	0.0082	ug/L		04/28/17 14:00	05/02/17 16:17	1
gamma-Chlordane	0.054		0.049	0.0084	ug/L		04/28/17 14:00	05/02/17 16:17	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		04/28/17 14:00	05/02/17 16:17	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		04/28/17 14:00	05/02/17 16:17	1
Methoxychlor	0.049	U	0.049	0.0092	ug/L		04/28/17 14:00	05/02/17 16:17	1
Toxaphene	6.3		4.9	0.19	ug/L		04/28/17 14:00	05/02/17 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		10 - 130				04/28/17 14:00	05/02/17 16:17	1
Tetrachloro-m-xylene	54		39 - 130				04/28/17 14:00	05/02/17 16:17	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Lab Sample ID: MB 680-478625/9

Method: 8260B - Volatile Organic Compounds (GC/MS)

мв мв

Matrix: Water

Analysis Batch: 478625

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

20

Client Sample ID: Lab Control Sample Dup

80 - 120

86

Result Qualifier RLMDL Unit D Dil Fac Analyte Prepared Analyzed Trichloroethene 1.0 U 1.0 0.48 ug/L 05/04/17 18:19

MB MB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed Toluene-d8 (Surr) 95 80 120 05/04/17 18:19 1,2-Dichloroethane-d4 (Surr) 105 73 - 131 05/04/17 18:19 91 80 - 122 05/04/17 18:19 Dibromofluoromethane (Surr) 4-Bromofluorobenzene (Surr) 103 80 - 120 05/04/17 18:19

Lab Sample ID: LCS 680-478625/4 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 478625

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Trichloroethene 50.0 43.8 88 ug/L 80 - 120

LCS LCS Surrogate %Recovery Qualifier Limits Toluene-d8 (Surr) 104 80 - 120 1,2-Dichloroethane-d4 (Surr) 97 73 - 131 80 - 122 Dibromofluoromethane (Surr) 86 4-Bromofluorobenzene (Surr) 94 80 - 120

Lab Sample ID: LCSD 680-478625/5

Matrix: Water

Trichloroethene

Analysis Batch: 478625

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit

50.0

43.2

ug/L

LCSD LCSD Qualifier Limits Surrogate %Recovery Toluene-d8 (Surr) 96 80 - 120 101 1,2-Dichloroethane-d4 (Surr) 73 - 131 Dibromofluoromethane (Surr) 87 80 - 122 4-Bromofluorobenzene (Surr) 99 80 - 120

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Lab Sample ID: MB 680-477756/10-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 478191 Prep Batch: 477756

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		04/28/17 14:00	05/02/17 13:08	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		04/28/17 14:00	05/02/17 13:08	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		04/28/17 14:00	05/02/17 13:08	1
beta-BHC	0.050	U	0.050	0.012	ug/L		04/28/17 14:00	05/02/17 13:08	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		04/28/17 14:00	05/02/17 13:08	1

TestAmerica Job ID: 680-137929-1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

MR MR

Lab Sample ID: MB 680-477756/10-A **Matrix: Water**

Analysis Batch: 478191

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 477756

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		04/28/17 14:00	05/02/17 13:08	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 13:08	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/28/17 14:00	05/02/17 13:08	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endrin	0.050	U	0.050	0.0088	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		04/28/17 14:00	05/02/17 13:08	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 13:08	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 13:08	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		04/28/17 14:00	05/02/17 13:08	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		04/28/17 14:00	05/02/17 13:08	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		04/28/17 14:00	05/02/17 13:08	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/28/17 14:00	05/02/17 13:08	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		10 - 130	04/28/17 14:00	05/02/17 13:08	1
Tetrachloro-m-xylene	66		39 - 130	04/28/17 14:00	05/02/17 13:08	1

Lab Sample ID: LCS 680-477756/11-A

Matrix: Water

Analysis Batch: 478191

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 477756

Analysis Batch: 478191							Prep Batch: 477	7 20
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aldrin	0.100	0.0765		ug/L		76	48 - 130	
alpha-BHC	0.100	0.0729		ug/L		73	45 - 130	
alpha-Chlordane	0.100	0.0824		ug/L		82	60 - 130	
beta-BHC	0.100	0.0765		ug/L		76	50 - 130	
4,4'-DDD	0.100	0.0848		ug/L		85	52 ₋ 130	
4,4'-DDE	0.100	0.0812		ug/L		81	48 - 130	
4,4'-DDT	0.100	0.0849		ug/L		85	59 ₋ 130	
delta-BHC	0.100	0.0853		ug/L		85	47 - 140	
Dieldrin	0.100	0.0822		ug/L		82	55 - 130	
Endosulfan I	0.100	0.0633		ug/L		63	27 _ 130	
Endosulfan II	0.100	0.0741		ug/L		74	39 - 130	
Endosulfan sulfate	0.100	0.0795		ug/L		80	57 ₋ 130	
Endrin	0.100	0.0795		ug/L		79	62 ₋ 131	
Endrin aldehyde	0.100	0.101		ug/L		101	39 - 177	
Endrin ketone	0.100	0.0819		ug/L		82	47 _ 130	
gamma-BHC (Lindane)	0.100	0.0717		ug/L		72	47 - 130	
gamma-Chlordane	0.100	0.0816		ug/L		82	50 ₋ 145	
Heptachlor	0.100	0.0715		ug/L		72	49 - 130	
Heptachlor epoxide	0.100	0.0788		ug/L		79	54 - 130	
Methoxychlor	0.100	0.0894		ug/L		89	53 - 130	

QC Sample Results

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Limits

Chromatography (Continued)

Lab Sample ID: LCS 680-477756/11-A

Matrix: Water

Analysis Batch: 478191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477756

 DCB Decachlorobiphenyl
 70
 10 - 130

 Tetrachloro-m-xylene
 67
 39 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 477756

Lab Sample ID: LCSD 680-477756/12-A Matrix: Water

A I I D I

Analysis Batch: 478191

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aldrin	0.100	0.0777		ug/L		78	48 - 130	2	40
alpha-BHC	0.100	0.0736		ug/L		74	45 - 130	1	30
alpha-Chlordane	0.100	0.0841		ug/L		84	60 - 130	2	50
beta-BHC	0.100	0.0765		ug/L		76	50 - 130	0	40
4,4'-DDD	0.100	0.0870		ug/L		87	52 - 130	3	40
4,4'-DDE	0.100	0.0828		ug/L		83	48 - 130	2	30
4,4'-DDT	0.100	0.0894		ug/L		89	59 - 130	5	40
delta-BHC	0.100	0.0883		ug/L		88	47 - 140	3	30
Dieldrin	0.100	0.0837		ug/L		84	55 - 130	2	30
Endosulfan I	0.100	0.0655		ug/L		66	27 - 130	3	30
Endosulfan II	0.100	0.0764		ug/L		76	39 - 130	3	30
Endosulfan sulfate	0.100	0.0837		ug/L		84	57 - 130	5	40
Endrin	0.100	0.0818		ug/L		82	62 - 131	3	30
Endrin aldehyde	0.100	0.117		ug/L		117	39 _ 177	15	40
Endrin ketone	0.100	0.0854		ug/L		85	47 - 130	4	40
gamma-BHC (Lindane)	0.100	0.0718		ug/L		72	47 - 130	0	30
gamma-Chlordane	0.100	0.0831		ug/L		83	50 - 145	2	50
Heptachlor	0.100	0.0729		ug/L		73	49 - 130	2	30
Heptachlor epoxide	0.100	0.0797		ug/L		80	54 - 130	1	40
Methoxychlor	0.100	0.0953		ug/L		95	53 - 130	6	40

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
DCB Decachlorobiphenyl	54	10 - 130
Tetrachloro-m-xylene	68	39 130

QC Association Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

GC/MS VOA

Analysis Batch: 478625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-137929-1	Effluent	Total/NA	Water	8260B	
680-137929-2	Carbon A-1	Total/NA	Water	8260B	
680-137929-3	Carbon B-1	Total/NA	Water	8260B	
680-137929-4	Influent	Total/NA	Water	8260B	
MB 680-478625/9	Method Blank	Total/NA	Water	8260B	
LCS 680-478625/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-478625/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 477756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
680-137929-1	Effluent	Total/NA	Water	3520C	
680-137929-2	Carbon A-1	Total/NA	Water	3520C	
680-137929-3	Carbon B-1	Total/NA	Water	3520C	
680-137929-4	Influent	Total/NA	Water	3520C	
MB 680-477756/10-A	Method Blank	Total/NA	Water	3520C	
LCS 680-477756/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-477756/12-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 478191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-137929-1	Effluent	Total/NA	Water	8081B/8082A	477756
680-137929-2	Carbon A-1	Total/NA	Water	8081B/8082A	477756
680-137929-3	Carbon B-1	Total/NA	Water	8081B/8082A	477756
680-137929-4	Influent	Total/NA	Water	8081B/8082A	477756
680-137929-4	Influent	Total/NA	Water	8081B/8082A	477756
MB 680-477756/10-A	Method Blank	Total/NA	Water	8081B/8082A	477756
LCS 680-477756/11-A	Lab Control Sample	Total/NA	Water	8081B/8082A	477756
LCSD 680-477756/12-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	477756

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Lab Sample ID: 680-137929-1

Client Sample ID: Effluent Date Collected: 04/25/17 09:31 Date Received: 04/26/17 09:10

Matrix: Water

Batch Dilution Batch Batch Prepared Method Prep Type Type Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8260B 478625 05/04/17 20:53 CEJ TAL SAV 3520C TAL SAV Total/NA Prep 477756 04/28/17 14:00 CEW Total/NA 8081B/8082A 478191 05/02/17 15:33 JCK TAL SAV Analysis

Lab Sample ID: 680-137929-2

Client Sample ID: Carbon A-1 Date Collected: 04/25/17 10:17

Date Received: 04/26/17 09:10

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	478625	05/04/17 20:30	CEJ	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	478191	05/02/17 15:48	JCK	TAL SAV

Client Sample ID: Carbon B-1 Lab Sample ID: 680-137929-3

Date Collected: 04/25/17 10:23

Date Received: 04/26/17 09:10

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	478625	05/04/17 21:16	CEJ	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	478191	05/02/17 16:02	JCK	TAL SAV

Lab Cample ID: 600 127020 4 **Client Sample ID: Influent**

Date Collected: 04/25/17 10:31

Date Received: 04/26/17 09:10

Lab Sample ID: 660-13/929-4	
Matrix: Water	

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			478625	05/04/17 21:39	CEJ	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	478191	05/02/17 16:17	JCK	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		10	478191	05/02/17 17:18	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date	
	AFCEE	AFCEE			
Alabama	State Program	4	41450	06-30-17 *	
Alaska (UST)	State Program	10	UST-104	11-05-17	
Arizona	State Program	9	AZ808	12-14-17	
Arkansas DEQ	State Program	6	88-0692	02-01-18	
California	State Program	9	2939	06-30-17 *	
Colorado	State Program	8	N/A	12-31-17	
Connecticut	State Program	1	PH-0161	03-31-17 *	
Florida	NELAP	4	E87052	06-30-17 *	
GA Dept. of Agriculture	State Program	4	N/A	06-12-18	
Georgia	State Program	4	N/A	06-30-17 *	
Georgia	State Program	4	803	06-30-17 *	
Guam	State Program	9	15-005r	04-16-17 *	
Hawaii	State Program	9	N/A	06-30-17 *	
Illinois	NELAP	5	200022	11-30-17	
Indiana	State Program	5	N/A	06-30-17 *	
lowa	State Program	7	353	06-30-17 *	
Kentucky (DW)	State Program	4	90084	12-31-17	
Kentucky (UST)	State Program	4	18	06-30-17 *	
Kentucky (WW)	State Program	4	90084	12-31-17	
L-A-B	DoD ELAP	·	L2463	09-22-19	
Louisiana	NELAP	6	30690	06-30-17 *	
Louisiana (DW)	NELAP	6	LA160019	12-31-17	
Maine	State Program	1	GA00006	09-24-18	
Maryland	State Program		250	12-31-17	
Massachusetts	State Program	1	M-GA006	06-30-17 *	
Michigan	State Program	5	9925	06-30-17 *	
Mississippi	State Program	4	N/A	06-30-17 *	
Nebraska	State Program	7	TestAmerica-Savannah	06-30-17 *	
New Jersey	NELAP	2	GA769	06-30-17 *	
New Mexico	State Program	6	N/A	06-30-17 *	
New York	NELAP	2	10842	03-31-18	
North Carolina (DW)		4	13701	07-31-17	
	State Program	4	269	12-31-17	
North Carolina (WW/SW)	State Program				
Oklahoma	State Program	6	9984	08-31-17	
Pennsylvania	NELAP	3	68-00474	06-30-17 *	
Puerto Rico	State Program	2	GA00006	12-31-17	
South Carolina	State Program	4	98001	06-30-17 *	
Tennessee _	State Program	4	TN02961	06-30-17 *	
Texas	NELAP	6	T104704185-16-9	11-30-17	
US Fish & Wildlife	Federal		LE058448-0	10-31-17	
USDA	Federal		SAV 3-04	06-11-17 *	
Virginia	NELAP	3	460161	06-14-17 *	
Washington	State Program	10	C805	06-10-17 *	
West Virginia (DW)	State Program	3	9950C	12-31-17	
West Virginia DEP	State Program	3	094	06-30-17 *	
Wisconsin	State Program	5	999819810	08-31-17	
Wyoming	State Program	8	8TMS-L	06-30-16 *	

 $^{^{\}star} \ Accreditation/Certification\ renewal\ pending\ -\ accreditation/certification\ considered\ valid.$

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TestAmerica Savannah

5102 LaRoche Avenue

Chain of Custody Record

193610

<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

Savannah, GA 31404

681-Atlanta

Phone: 912.354.7858 Fax:	Regu	latory Pro	ogram:	DW [NPDES		RCR	RA Other:					TestAmerica Laboratories, Inc. TAL-8210 (0713)
Client Contact		lanager: (tact:		Date:	4/25	17	COC No:
Company Name: Oliv Corp. Address: 3655 N. Cocce St. Suite 200	Tel/Fax:	(336)	763-	6625	-	Lab	Con	tact: Mic	rete Kors	Qarrier:	Fee	TEX	/ of / COCs
Address: 3855 N. Oxall St. Suite 200		Analysis T				Т	T			1			Sampler:
City/State/Zip: Cleveland, TN 37312 Phone: (423) 336-4380	CALEN	IDAR DAYS	□ wo	RKING DAY	S		1	0					For Lab Use Only:
Phone: (423) 336-4308	TA	Fif different fr	om Below _			î	-100	9					Walk-in Client:
Fax:		7	2 weeks			2 >	808	90					Lab Sampling:
Project Name: Geigy 51te		7	1 week			70							
Site:			2 days			MS (3 X	3					Job / SDG No.:
PO#			1 day			amp AS/	10	con					
			Sample Type			Filtered Sample (Y / N)	K	lu					
	Sample	Sample	(C=Comp,		# of	tere	3	12					
Sample Identification	Date	Time	G=Grab)	Matrix	Cont.	E g	15						Sample Specific Notes:
Effhent	4/25/17	931	G	work	5		X	X					
Cartron A-1	1	1017	1		1		X	X					
Carbon B-1 Influent		1023					X	×					
T. Chent	1	1031	4	1	1	\top	V	X					
TULIVENI	1	1/63	Ж		,	H	X						
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						Н	_			68	0-137929	Chain of Cu	ustody
						Ш					11		
Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3	5=NaOH;	6= Other _											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Plea	en List any I	EDA Masta	Codes for	the came	alo in th	S	amp	le Disposal (A fee may be	e assess	ed if samp	les are reta	ained longer than 1 month)
Comments Section if the lab is to dispose of the sample.	se List arry t	EFA Waste	Codes for	the sam	ne in ur	8							
Non-Hazard Flammable Skin Irritant	Poison	n B	Unkn	nown		\neg		Return to Client	V	Disposal by I	ah	Archive	for Months
Special Instructions/QC Requirements & Comments:						_			12.15	noposal oy i			7,000
1													
Custody Seals Intact: Yes No	Custody S	Seal No.:			_	_		Cooler T	emp. (°C): Ob	os'd:	Cor	r'd:	Therm ID No.:
Relinquished by	Company:		0	Date/Ti	me:	R	ecei	ved by:	100		Company:		Date/Time:
m tay		notra	<u></u>	4/0	5/1/		400		dex.				
Relinquished by:	Company:			Date/Ti	me:	1	recei	ved by:	A	7	Company:	èw.	Date/Time: 45 0910
Relinquished by:	Company			Date/Ti	me:	R	Recei	ved in Labora	tor by	-	Company	<i>-</i> ····································	
	Joinparty			2010/11		1		(05	20-1	57	129		Date/Time: 5.7(CF)4.52

Client: EnviroTrac, Ltd.

Job Number: 680-137929-1

Login Number: 137929 List Source: TestAmerica Savannah

List Number: 1

Creator: Banda, Christy S

Creator. Danida, Chiristy 3		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-140958-1

Client Project/Site: Geigy Chemical Corp.

For:

EnviroTrac, Ltd. 7343 W. Friendly Avenue Suite J Greensboro, North Carolina 27410

Attn: Chris Hay

Lathyn Smith

Authorized for release by: 7/21/2017 2:49:34 PM
Kathryn Smith, Manager of Project Management (912)354-7858
kathy.smith@testamericainc.com

Designee for

Michele Kersey, Project Manager II (912)354-7858

michele.kersey@testamericainc.com

..... Links

Review your project results through

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Have a Question?



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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Job ID: 680-140958-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: EnviroTrac, Ltd.
Project: Geigy Chemical Corp.

Report Number: 680-140958-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 07/13/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.1 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Effluent (680-140958-1), Carbon A-1 (680-140958-2), Carbon B-1 (680-140958-3) and Influent (680-140958-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/19/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples Effluent (680-140958-1), Carbon A-1 (680-140958-2), Carbon B-1 (680-140958-3) and Influent (680-140958-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 07/14/2017 and analyzed on 07/17/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Sample Influent (680-140958-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Sample Summary

 $Client: EnviroTrac, \, Ltd.$

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-140958-1	Effluent	Water	07/12/17 13:17	07/13/17 09:10
680-140958-2	Carbon A-1	Water	07/12/17 13:28	07/13/17 09:10
680-140958-3	Carbon B-1	Water	07/12/17 13:36	07/13/17 09:10
680-140958-4	Influent	Water	07/12/17 13:49	07/13/17 09:10

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Method Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Qualifiers

GC/MS VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
р	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Lab Sample ID: 680-140958-1

Matrix: Water

Date Collected: 07/12/17 13:17 Date Received: 07/13/17 09:10

Client Sample ID: Effluent

Method: 8260B - Volatile Organic Compounds (GC/MS)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 14:56	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Toluene-d8 (Surr)	100		80 - 120			-		07/19/17 14:56	1	
1,2-Dichloroethane-d4 (Surr)	102		73 - 131					07/19/17 14:56	1	
Dibromofluoromethane (Surr)	100		80 - 122					07/19/17 14:56	1	
4-Bromofluorobenzene (Surr)	103		80 - 120					07/19/17 14:56	1	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		07/14/17 15:13	07/17/17 14:37	1
alpha-BHC	0.048	U	0.048	0.0075	ug/L		07/14/17 15:13	07/17/17 14:37	1
alpha-Chlordane	0.048	U	0.048	0.0096	ug/L		07/14/17 15:13	07/17/17 14:37	1
beta-BHC	0.053		0.048	0.011	ug/L		07/14/17 15:13	07/17/17 14:37	1
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		07/14/17 15:13	07/17/17 14:37	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		07/14/17 15:13	07/17/17 14:37	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		07/14/17 15:13	07/17/17 14:37	1
delta-BHC	0.048	U	0.048	0.012	ug/L		07/14/17 15:13	07/17/17 14:37	1
Dieldrin	0.012	J	0.048	0.0082	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endosulfan I	0.048	U	0.048	0.0078	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endrin	0.048	U	0.048	0.0084	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endrin ketone	0.013	J	0.048	0.0085	ug/L		07/14/17 15:13	07/17/17 14:37	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0079	ug/L		07/14/17 15:13	07/17/17 14:37	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		07/14/17 15:13	07/17/17 14:37	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		07/14/17 15:13	07/17/17 14:37	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		07/14/17 15:13	07/17/17 14:37	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		07/14/17 15:13	07/17/17 14:37	1
Toxaphene	4.8	U	4.8	0.18	ug/L		07/14/17 15:13	07/17/17 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		10 - 130				07/14/17 15:13	07/17/17 14:37	1
Tetrachloro-m-xylene	41		39 - 130				07/14/17 15:13	07/17/17 14:37	1

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Client Sample ID: Carbon A-1

TestAmerica Job ID: 680-140958-1

Lab Sample ID: 680-140958-2

Matrix: Water

Date Collected: 07/12/17 13:28 Date Received: 07/13/17 09:10

Method: 8260B - Volatile Organ	ic Compounds	(GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120			-		07/19/17 15:18	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131					07/19/17 15:18	1
Dibromofluoromethane (Surr)	99		80 - 122					07/19/17 15:18	1
4-Bromofluorobenzene (Surr)	103		80 - 120					07/19/17 15:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		07/14/17 15:13	07/17/17 14:53	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		07/14/17 15:13	07/17/17 14:53	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		07/14/17 15:13	07/17/17 14:53	1
beta-BHC	0.064		0.047	0.011	ug/L		07/14/17 15:13	07/17/17 14:53	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		07/14/17 15:13	07/17/17 14:53	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		07/14/17 15:13	07/17/17 14:53	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 14:53	1
delta-BHC	0.047	U	0.047	0.012	ug/L		07/14/17 15:13	07/17/17 14:53	1
Dieldrin	0.015	J	0.047	0.0081	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endrin	0.047	U	0.047	0.0083	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endrin ketone	0.018	J	0.047	0.0084	ug/L		07/14/17 15:13	07/17/17 14:53	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		07/14/17 15:13	07/17/17 14:53	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 14:53	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		07/14/17 15:13	07/17/17 14:53	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		07/14/17 15:13	07/17/17 14:53	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		07/14/17 15:13	07/17/17 14:53	1
Toxaphene	4.7	U	4.7	0.18	ug/L		07/14/17 15:13	07/17/17 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		10 - 130				07/14/17 15:13	07/17/17 14:53	1
Tetrachloro-m-xylene	46		39 - 130				07/14/17 15:13	07/17/17 14:53	1

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Lab Sample ID: 680-140958-3

Matrix: Water

Client Sample ID: Carbon B-1 Date Collected: 07/12/17 13:36

Date Received: 07/13/17 09:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					07/19/17 15:40	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131					07/19/17 15:40	1
Dibromofluoromethane (Surr)	98		80 - 122					07/19/17 15:40	1
4-Bromofluorobenzene (Surr)	103		80 - 120					07/19/17 15:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		07/14/17 15:13	07/17/17 15:10	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		07/14/17 15:13	07/17/17 15:10	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		07/14/17 15:13	07/17/17 15:10	1
beta-BHC	0.047	U	0.047	0.011	ug/L		07/14/17 15:13	07/17/17 15:10	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		07/14/17 15:13	07/17/17 15:10	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		07/14/17 15:13	07/17/17 15:10	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 15:10	1
delta-BHC	0.047	U	0.047	0.012	ug/L		07/14/17 15:13	07/17/17 15:10	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endrin	0.047	U	0.047	0.0083	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		07/14/17 15:13	07/17/17 15:10	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		07/14/17 15:13	07/17/17 15:10	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 15:10	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		07/14/17 15:13	07/17/17 15:10	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		07/14/17 15:13	07/17/17 15:10	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		07/14/17 15:13	07/17/17 15:10	1
Toxaphene	4.7	U	4.7	0.18	ug/L		07/14/17 15:13	07/17/17 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		10 - 130				07/14/17 15:13	07/17/17 15:10	1
Tetrachloro-m-xylene	48		39 - 130				07/14/17 15:13	07/17/17 15:10	1

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 ${\it Client: EnviroTrac, Ltd.}$

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Lab Sample ID: 680-140958-4

Matrix: Water

Date Collected: 07/12/17 13:49 Date Received: 07/13/17 09:10

Client Sample ID: Influent

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120			-		07/19/17 16:02	1
1,2-Dichloroethane-d4 (Surr)	103		73 - 131					07/19/17 16:02	1
Dibromofluoromethane (Surr)	100		80 - 122					07/19/17 16:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		07/14/17 15:13	07/17/17 15:26	1
alpha-BHC	0.049		0.049	0.0077	ug/L		07/14/17 15:13	07/17/17 15:26	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		07/14/17 15:13	07/17/17 15:26	1
beta-BHC	2.6		0.25	0.059	ug/L		07/14/17 15:13	07/17/17 18:11	5
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		07/14/17 15:13	07/17/17 15:26	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		07/14/17 15:13	07/17/17 15:26	1
4,4'-DDT	0.049	U	0.049	0.0084	ug/L		07/14/17 15:13	07/17/17 15:26	1
delta-BHC	0.38		0.049	0.013	ug/L		07/14/17 15:13	07/17/17 15:26	1
Dieldrin	0.44		0.049	0.0085	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endosulfan I	0.049	U	0.049	0.0081	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endosulfan II	0.049	U	0.049	0.0084	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endosulfan sulfate	0.049	U	0.049	0.0082	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endrin	0.049	U	0.049	0.0087	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endrin ketone	0.35		0.049	0.0088	ug/L		07/14/17 15:13	07/17/17 15:26	1
gamma-BHC (Lindane)	0.039	J	0.049	0.0082	ug/L		07/14/17 15:13	07/17/17 15:26	1
gamma-Chlordane	0.071		0.049	0.0084	ug/L		07/14/17 15:13	07/17/17 15:26	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		07/14/17 15:13	07/17/17 15:26	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		07/14/17 15:13	07/17/17 15:26	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		07/14/17 15:13	07/17/17 15:26	1
Toxaphene	5.0	p	4.9	0.19	ug/L		07/14/17 15:13	07/17/17 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		10 - 130				07/14/17 15:13	07/17/17 15:26	1
Tetrachloro-m-xylene	48		39 - 130				07/14/17 15:13	07/17/17 15:26	1

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07/19/17 09:46

07/19/17 09:46

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-488213/9 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 488213

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 09:46	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120			_		07/19/17 09:46	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131					07/19/17 09:46	1

Lab Sample ID: LCS 680-488213/4 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

80 - 122

80 - 120

Dibromofluoromethane (Surr)

4-Bromofluorobenzene (Surr)

Analysis Batch: 488213

	Spike	LCS LCS				%Rec.	
Analyte	Added	Result Qualifi	er Unit	D	%Rec	Limits	
Trichloroethene	50.0	50.2	ug/L		100	80 - 120	

	LCS	LCS		
Surrogate	%Recovery	Qualifier	Limits	
Toluene-d8 (Surr)	98		80 - 120	
1,2-Dichloroethane-d4 (Surr)	98		73 - 131	
Dibromofluoromethane (Surr)	99		80 - 122	
4-Bromofluorobenzene (Surr)	99		80 - 120	

98 105

Lab Sample ID: LCSD 680-488213/5 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 488213

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Trichloroethene	50.0	49.7		ug/L		99	80 - 120	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		73 - 131
Dibromofluoromethane (Surr)	100		80 - 122
4-Bromofluorobenzene (Surr)	98		80 _ 120

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Lab Sample ID: MB 680-487769/5-A **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA Analysis Batch: 487908 **Prep Batch: 487769**

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		07/14/17 15:13	07/17/17 13:47	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		07/14/17 15:13	07/17/17 13:47	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		07/14/17 15:13	07/17/17 13:47	1
beta-BHC	0.050	U	0.050	0.012	ug/L		07/14/17 15:13	07/17/17 13:47	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		07/14/17 15:13	07/17/17 13:47	1

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07/14/17 15:13

07/14/17 15:13

07/14/17 15:13

07/14/17 15:13

07/14/17 15:13

07/14/17 15:13

Prep Batch: 487769

07/17/17 13:47

07/17/17 13:47

07/17/17 13:47

07/17/17 13:47

07/17/17 13:47

07/17/17 13:47

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client: EnviroTrac, Ltd.

Analysis Batch: 487908

Project/Site: Geigy Chemical Corp.

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

0.050 U

0.050 U

0.050 U

0.050 U

0.050 U

0.050 U

Lab Sample ID: MB 680-487769/5-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

мв мв Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 4,4'-DDE 0.050 U 0.050 0.0074 ug/L 07/14/17 15:13 07/17/17 13:47 07/17/17 13:47 4,4'-DDT 07/14/17 15:13 0.050 U 0.050 0.0085 ug/L delta-BHC 0.050 U 0.050 0.013 ug/L 07/14/17 15:13 07/17/17 13:47 Dieldrin 0.050 U 0.050 0.0086 ug/L 07/14/17 15:13 07/17/17 13:47 Endosulfan I 0.050 U 0.050 0.0082 ug/L 07/14/17 15:13 07/17/17 13:47 Endosulfan II 0.050 U 0.050 0.0085 ug/L 07/14/17 15:13 07/17/17 13:47 Endosulfan sulfate 0.050 U 0.050 0.0083 ug/L 07/14/17 15:13 07/17/17 13:47 Endrin 0.050 07/14/17 15:13 07/17/17 13:47 0.050 U 0.0088 ug/L Endrin aldehyde 0.050 U 0.050 0.017 ug/L 07/14/17 15:13 07/17/17 13:47

0.050

0.050

0.050

0.050

0.050

0.050

0.0089 ug/L

0.0083 ug/L

0.0085 ug/L

0.0079 ug/L

0.0081 ug/L

0.0093 ug/L

Toxaphene 5.0 U 5.0 0.19 ug/L 07/14/17 15:13 07/17/17 13:47 MB MB Qualifier Limits Prepared Dil Fac Surrogate %Recovery Analyzed 10 - 130 DCB Decachlorobiphenyl 07/14/17 15:13 07/17/17 13:47 94 39 - 130 07/14/17 15:13 Tetrachloro-m-xylene 64 07/17/17 13:47

Lab Sample ID: LCS 680-487769/6-A

Matrix: Water

Heptachlor epoxide

Methoxychlor

Endrin ketone

Heptachlor

Methoxychlor

gamma-BHC (Lindane)

gamma-Chlordane

Heptachlor epoxide

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
Analysis Batch: 487908	Spike	LCS	LCS				Prep Batch: 487769 %Rec.
Analyte	Added		Qualifier	Unit	D	%Rec	Limits
Aldrin	0.100	0.0685		ug/L		69	48 - 130
alpha-BHC	0.100	0.0805		ug/L		80	45 - 130
alpha-Chlordane	0.100	0.0941		ug/L		94	60 - 130
beta-BHC	0.100	0.0790		ug/L		79	50 - 130
4,4'-DDD	0.100	0.0881		ug/L		88	52 - 130
4,4'-DDE	0.100	0.0889		ug/L		89	48 - 130
4,4'-DDT	0.100	0.101		ug/L		101	59 ₋ 130
delta-BHC	0.100	0.0834		ug/L		83	47 - 140
Dieldrin	0.100	0.0881		ug/L		88	55 - 130
Endosulfan I	0.100	0.0811		ug/L		81	27 _ 130
Endosulfan II	0.100	0.0901		ug/L		90	39 _ 130
Endosulfan sulfate	0.100	0.0921		ug/L		92	57 ₋ 130
Endrin	0.100	0.0943		ug/L		94	62 - 131
Endrin aldehyde	0.100	0.0908		ug/L		91	39 - 177
Endrin ketone	0.100	0.0971		ug/L		97	47 - 130
gamma-BHC (Lindane)	0.100	0.0763		ug/L		76	47 - 130
gamma-Chlordane	0.100	0.0850		ug/L		85	50 - 145
Heptachlor	0.100	0.0587		ug/L		59	49 - 130

TestAmerica Savannah

0.0844

0.120

ug/L

ug/L

84

120

54 - 130

53 - 130

0.100

0.100

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-487769/6-A

Lab Sample ID: LCSD 680-487769/7-A

Matrix: Water

Analysis Batch: 487908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 487769

LCS LCS
rrogate %Recovery Qual

 Surrogate
 %Recovery
 Qualifier
 Limits

 DCB Decachlorobiphenyl
 81
 10 - 130

 Tetrachloro-m-xylene
 59
 39 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 487769

Matrix: Water
Analysis Batch: 487908

Allalysis Datcii. 407300							ı iep i	Jaicii. T	01103
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aldrin	0.100	0.0812		ug/L		81	48 - 130	17	40
alpha-BHC	0.100	0.0920		ug/L		92	45 - 130	13	30
alpha-Chlordane	0.100	0.104		ug/L		104	60 - 130	10	50
beta-BHC	0.100	0.0920		ug/L		92	50 - 130	15	40
4,4'-DDD	0.100	0.0973		ug/L		97	52 - 130	10	40
4,4'-DDE	0.100	0.102		ug/L		102	48 - 130	14	30
4,4'-DDT	0.100	0.107		ug/L		107	59 - 130	6	40
delta-BHC	0.100	0.0952		ug/L		95	47 - 140	13	30
Dieldrin	0.100	0.0946		ug/L		95	55 - 130	7	30
Endosulfan I	0.100	0.0846		ug/L		85	27 - 130	4	30
Endosulfan II	0.100	0.0947		ug/L		95	39 - 130	5	30
Endosulfan sulfate	0.100	0.0957		ug/L		96	57 - 130	4	40
Endrin	0.100	0.100		ug/L		100	62 - 131	6	30
Endrin aldehyde	0.100	0.0948		ug/L		95	39 _ 177	4	40
Endrin ketone	0.100	0.101		ug/L		101	47 - 130	4	40
gamma-BHC (Lindane)	0.100	0.0868		ug/L		87	47 - 130	13	30
gamma-Chlordane	0.100	0.0941		ug/L		94	50 - 145	10	50
Heptachlor	0.100	0.0691		ug/L		69	49 - 130	16	30
Heptachlor epoxide	0.100	0.0904		ug/L		90	54 - 130	7	40
Methoxychlor	0.100	0.123		ug/L		123	53 - 130	2	40

LCSD	LCSD
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Surrogate	%Recovery (Qualifier	Limits
DCB Decachlorobiphenyl	83		10 - 130
Tetrachloro-m-xvlene	67		39 - 130

TestAmerica Savannah

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QC Association Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

GC/MS VOA

Analysis Batch: 488213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-140958-1	Effluent	Total/NA	Water	8260B	
680-140958-2	Carbon A-1	Total/NA	Water	8260B	
680-140958-3	Carbon B-1	Total/NA	Water	8260B	
680-140958-4	Influent	Total/NA	Water	8260B	
MB 680-488213/9	Method Blank	Total/NA	Water	8260B	
LCS 680-488213/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-488213/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 487769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-140958-1	Effluent	Total/NA		3520C	
680-140958-2 Carbon A-1		Total/NA	Water	3520C	
680-140958-3	Carbon B-1	Total/NA	Water	3520C	
680-140958-4	Influent	Total/NA	Water	3520C	
MB 680-487769/5-A	Method Blank	Total/NA	Water	3520C	
LCS 680-487769/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-487769/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 487899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-140958-4	Influent	Total/NA	Water	8081B/8082A	487769

Analysis Batch: 487908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
680-140958-1	Effluent	Total/NA	Water	8081B/8082A	487769	
680-140958-2	Carbon A-1	Total/NA	Water	8081B/8082A	487769	
680-140958-3	Carbon B-1	Total/NA	Water	8081B/8082A	487769	
680-140958-4	Influent	Total/NA	Water	8081B/8082A	487769	
MB 680-487769/5-A	Method Blank	Total/NA	Water	8081B/8082A	487769	
LCS 680-487769/6-A	Lab Control Sample	Total/NA	Water	8081B/8082A	487769	
LCSD 680-487769/7-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	487769	

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp.

Lab Sample ID: 680-140958-1

Matrix: Water

Client Sample ID: Effluent Date Collected: 07/12/17 13:17 Date Received: 07/13/17 09:10

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			488213	07/19/17 14:56	JD1	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	487908	07/17/17 14:37	JCK	TAL SAV

Client Sample ID: Carbon A-1 Lab Sample ID: 680-140958-2 Date Collected: 07/12/17 13:28

Matrix: Water

Date Received: 07/13/17 09:10

Batch Batch Dilution Batch Prepared Method or Analyzed Prep Type Run Factor Number Type Analyst Lab Total/NA 8260B 488213 JD1 TAL SAV Analysis 07/19/17 15:18 Total/NA 3520C TAL SAV Prep 487769 07/14/17 15:13 CEW Total/NA 8081B/8082A 487908 TAL SAV Analysis 1 07/17/17 14:53 JCK

Client Sample ID: Carbon B-1 Lab Sample ID: 680-140958-3

Date Collected: 07/12/17 13:36 Matrix: Water

Date Received: 07/13/17 09:10

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488213	07/19/17 15:40	JD1	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	487908	07/17/17 15:10	JCK	TAL SAV

Client Sample ID: Influent Lab Sample ID: 680-140958-4

Date Collected: 07/12/17 13:49 Matrix: Water Date Received: 07/13/17 09:10

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488213	07/19/17 16:02	JD1	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	487899	07/17/17 18:11	JCK	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	487908	07/17/17 15:26	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client: EnviroTrac, Ltd. Project/Site: Geigy Chemical Corp.

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	07-31-17 *
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-17 *
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	N/A	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-17 *
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-17 *
lowa	State Program	7	353	06-30-17 *
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP	•	L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program		9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska		7	TestAmerica-Savannah	06-30-17 *
	State Program NELAP	2	GA769	
New Jersey New Mexico		6	N/A	06-30-18 06-30-17 *
	State Program			
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-17 *
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-17 *
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee -	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
US Fish & Wildlife	Federal		LE058448-0	10-31-17
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-17 *
Washington	State Program	10	C805	06-10-17 *
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-17 *
Wyoming	State Program	8	8TMS-L	06-30-16 *

 $^{^{\}star} \ Accreditation/Certification\ renewal\ pending\ -\ accreditation/certification\ considered\ valid.$

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404 Phone: 912.354.7858 Fax: 681-Atlanta

Chain of Custody Record

204224

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING TestAmerica Laboratories, Inc.

		latory Pro			NPDES			Other:								TAL-821	10 (0713)
Client Contact	Project M				1504	Site Co	ntact:	Wis Ho		Date: "	7/	12/1		COC No:			
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Address: 3855 N. Ochec St. SuiteZo	de	Analysis T												Sampler:			
City/State/Zip: Cleveland TN 37312	CALEN	DAR DAYS	_ wo	RKING DAYS	5		0							For Lab U			
Phone: (42) 336-4368	TA	T if different fr	om Below			z	BELOO			1				Walk-in Cli			
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Project Name: Geigy Site		1	l week			> 0	0								12		
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Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3	; 5=NaOH;	6= Other											100				
Possible Hazard Identification:		EDA 141 - 1	0-16	0	to to the		iple Dispo	osal (A fee	may be	assesse	ed if sa	mples a	are retai	ned longer tha	an 1 mont	th)	
Are any samples from a listed EPA Hazardous Waste? Plea Comments Section if the lab is to dispose of the sample.	ise List any	EPA Waste	Codes for	the samp	ne in the	e											
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Login Sample Receipt Checklist

Client: EnviroTrac, Ltd. Job Number: 680-140958-1

Login Number: 140958 List Source: TestAmerica Savannah

List Number: 1

Creator: Edwards, Jessica R

Creator: Edwards, Jessica R		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-143960-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd. 7343 W. Friendly Avenue Suite J Greensboro, North Carolina 27410

Attn: Chris Hay

Michele RKusey

Authorized for release by: 10/13/2017 1:49:29 PM

Michele Kersey, Project Manager II (912)354-7858

michele.kersey@testamericainc.com

·····LINKS ······

Review your project results through
Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Job ID: 680-143960-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-143960-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/5/2017 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Effluent (680-143960-1), Carbon A-1 (680-143960-2), Carbon B-1 (680-143960-3) and Influent (680-143960-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/11/2017.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-498026.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples Effluent (680-143960-1), Carbon A-1 (680-143960-2), Carbon B-1 (680-143960-3) and Influent (680-143960-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/06/2017 and analyzed on 10/09/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497556.

The following samples contained an allowable number of surrogate compounds outside limits: Carbon A-1 (680-143960-2) and Carbon B-1 (680-143960-3). These results have been reported and qualified.

Sample Influent (680-143960-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Sample Summary

 $Client: EnviroTrac, \, Ltd.$

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-143960-1	Effluent	Water	10/03/17 16:43	10/05/17 09:05
680-143960-2	Carbon A-1	Water	10/03/17 16:52	10/05/17 09:05
680-143960-3	Carbon B-1	Water	10/03/17 16:57	10/05/17 09:05
680-143960-4	Influent	Water	10/03/17 17:07	10/05/17 09:05

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Method Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Qualifiers

GC/MS VOA

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
р	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

EDL LOD LOQ

DLC

DL, RA, RE, IN

Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit ML Minimum Level (Dioxin) NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

Decision Level Concentration (Radiochemistry)

Practical Quantitation Limit **PQL**

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Lab Sample ID: 680-143960-1

Matrix: Water

Client Sample ID: Effluent Date Collected: 10/03/17 16:43 Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120			-		10/11/17 11:48	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131					10/11/17 11:48	1
Dibromofluoromethane (Surr)	100		80 - 122					10/11/17 11:48	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 11:48	

Method: 8081B/8082A - Orga Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0069	ug/L		10/06/17 16:30	10/09/17 15:03	1
alpha-BHC	0.048	U	0.048	0.0074	ug/L		10/06/17 16:30	10/09/17 15:03	1
alpha-Chlordane	0.048	U	0.048	0.0095	ug/L		10/06/17 16:30	10/09/17 15:03	1
beta-BHC	0.028	J	0.048	0.011	ug/L		10/06/17 16:30	10/09/17 15:03	1
4,4'-DDD	0.048	U	0.048	0.0073	ug/L		10/06/17 16:30	10/09/17 15:03	1
4,4'-DDE	0.048	U	0.048	0.0070	ug/L		10/06/17 16:30	10/09/17 15:03	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 15:03	1
delta-BHC	0.048	U	0.048	0.012	ug/L		10/06/17 16:30	10/09/17 15:03	1
Dieldrin	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endosulfan I	0.048	U	0.048	0.0078	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endrin ketone	0.048	U	0.048	0.0085	ug/L		10/06/17 16:30	10/09/17 15:03	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 15:03	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 15:03	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		10/06/17 16:30	10/09/17 15:03	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		10/06/17 16:30	10/09/17 15:03	1
Methoxychlor	0.048	U	0.048	0.0088	ug/L		10/06/17 16:30	10/09/17 15:03	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/06/17 16:30	10/09/17 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		10 - 130				10/06/17 16:30	10/09/17 15:03	1
Tetrachloro-m-xylene	39		39 - 130				10/06/17 16:30	10/09/17 15:03	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Lab Sample ID: 680-143960-2

Matrix: Water

Client Sample ID: Carbon A-1 Date Collected: 10/03/17 16:52

Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120					10/11/17 12:10	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131					10/11/17 12:10	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 12:10	1
4-Bromofluorobenzene (Surr)	95		80 - 120					10/11/17 12:10	1

- Method: 8081B/8082A - Orga	nochlorine Pestici	des and Po	lychlorinated l	Biphenyls	by Gas (Chroma	tography		
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/06/17 16:30	10/09/17 15:17	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 15:17	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/06/17 16:30	10/09/17 15:17	1
beta-BHC	0.037	J	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 15:17	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/06/17 16:30	10/09/17 15:17	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 15:17	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:17	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 15:17	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 15:17	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 15:17	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:17	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 15:17	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/06/17 16:30	10/09/17 15:17	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/06/17 16:30	10/09/17 15:17	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		10 - 130				10/06/17 16:30	10/09/17 15:17	1
Tetrachloro-m-xylene	36	X	39 - 130				10/06/17 16:30	10/09/17 15:17	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Lab Sample ID: 680-143960-3

Matrix: Water

Date Collected: 10/03/17 16:57 Date Received: 10/05/17 09:05

Client Sample ID: Carbon B-1

Method: 8260B - Volatile Organ	nic Compounds	(GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120			-		10/11/17 12:33	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 12:33	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 12:33	1
Dibioinolidoromethane (odir)	• • • • • • • • • • • • • • • • • • • •								

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/06/17 16:30	10/09/17 15:32	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 15:32	1
alpha-Chlordane	0.047	U	0.047	0.0093	ug/L		10/06/17 16:30	10/09/17 15:32	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 15:32	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/06/17 16:30	10/09/17 15:32	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 15:32	1
4,4'-DDT	0.047	U	0.047	0.0079	ug/L		10/06/17 16:30	10/09/17 15:32	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 15:32	1
Dieldrin	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endosulfan I	0.047	U	0.047	0.0076	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endosulfan II	0.047	U	0.047	0.0079	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endosulfan sulfate	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endrin	0.047	U	0.047	0.0082	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 15:32	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 15:32	1
gamma-Chlordane	0.047	U	0.047	0.0079	ug/L		10/06/17 16:30	10/09/17 15:32	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 15:32	1
Heptachlor epoxide	0.047	U	0.047	0.0075	ug/L		10/06/17 16:30	10/09/17 15:32	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/06/17 16:30	10/09/17 15:32	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		10 - 130				10/06/17 16:30	10/09/17 15:32	1
Tetrachloro-m-xylene	36	X	39 - 130				10/06/17 16:30	10/09/17 15:32	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Lab Sample ID: 680-143960-4

Matrix: Water

Date Collected: 10/03/17 17:07 Date Received: 10/05/17 09:05

Client Sample ID: Influent

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120			-		10/11/17 16:43	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131					10/11/17 16:43	1
Dibromofluoromethane (Surr)	99		80 - 122					10/11/17 16:43	1
, ,									

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 15:46	1
alpha-BHC	0.030	J	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 15:46	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/06/17 16:30	10/09/17 15:46	1
beta-BHC	2.0		0.24	0.056	ug/L		10/06/17 16:30	10/09/17 17:52	5
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/06/17 16:30	10/09/17 15:46	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/06/17 16:30	10/09/17 15:46	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:46	1
delta-BHC	0.34		0.047	0.012	ug/L		10/06/17 16:30	10/09/17 15:46	1
Dieldrin	0.33		0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endrin ketone	0.22		0.047	0.0084	ug/L		10/06/17 16:30	10/09/17 15:46	1
gamma-BHC (Lindane)	0.030	J	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 15:46	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:46	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 15:46	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/06/17 16:30	10/09/17 15:46	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/06/17 16:30	10/09/17 15:46	1
Toxaphene	4.1	J p	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	28	p	10 - 130				10/06/17 16:30	10/09/17 15:46	1
Tetrachloro-m-xylene	39		39 - 130				10/06/17 16:30	10/09/17 15:46	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

мв мв

Lab Sample ID: MB 680-498026/8

Matrix: Water

Analysis Batch: 498026

Client Sample ID: Method Blank

Prep Type: Total/NA

Result Qualifier RL Dil Fac Analyte MDL Unit D Prepared Analyzed Trichloroethene 1.0 0.48 ug/L 10/11/17 10:02 1.0 U

		МВ	MB				
Surrogate		%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)		94		80 - 120		10/11/17 10:02	1
1,2-Dichloroethane	e-d4 (Surr)	97		73 - 131		10/11/17 10:02	1
Dibromofluorometh	hane (Surr)	97		80 - 122		10/11/17 10:02	1
4-Bromofluorobenz	zene (Surr)	93		80 - 120		10/11/17 10:02	1

Lab Sample ID: LCS 680-498026/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 498026

	Бріке	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Trichloroethene	50.0	49.7	ug/L		99	80 - 120	

ı		LCS	LCS	
	Surrogate	%Recovery	Qualifier	Limits
	Toluene-d8 (Surr)	99		80 - 120
	1,2-Dichloroethane-d4 (Surr)	94		73 - 131
	Dibromofluoromethane (Surr)	97		80 - 122
١	4-Bromofluorobenzene (Surr)	95		80 - 120

Lab Sample ID: LCSD 680-498026/4 Client Sample ID: Lab Control Sample Dup

Matrix: Water

Analysis Batch: 498026

	Spike	LCSD LCSD				%Rec.		RPD
Analyte	Added	Result Quali	ifier Unit	D	%Rec	Limits	RPD	Limit
Trichloroethene	 50.0	49.7	ug/L		99	80 - 120	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Dibromofluoromethane (Surr)	97		80 - 122
4-Bromofluorobenzene (Surr)	94		80 - 120

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Lab Sample ID: MB 680-497556/20-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA Analysis Batch: 497714 **Prep Batch: 497556**

MB MB Dil Fac Analyte Result Qualifier RL MDL Unit Prepared Analyzed Aldrin 0.013 U 0.013 0.0018 ug/L 10/06/17 16:30 10/09/17 14:20 alpha-BHC 0.013 U 0.013 0.0020 ug/L 10/06/17 16:30 10/09/17 14:20 alpha-Chlordane 0.013 U 0.013 0.0025 ug/L 10/06/17 16:30 10/09/17 14:20 beta-BHC 0.013 U 0.013 0.0030 ug/L 10/06/17 16:30 10/09/17 14:20 4,4'-DDD 0.013 U 0.013 0.0019 ug/L 10/06/17 16:30 10/09/17 14:20

TestAmerica Savannah

Prep Type: Total/NA

TestAmerica Job ID: 680-143960-1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: MB 680-497556/20-A **Matrix: Water**

Analysis Batch: 497714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497556

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDT	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
delta-BHC	0.013	U	0.013	0.0033	ug/L		10/06/17 16:30	10/09/17 14:20	1
Dieldrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan I	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan II	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan sulfate	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin aldehyde	0.013	U	0.013	0.0043	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin ketone	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-BHC (Lindane)	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-Chlordane	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor epoxide	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Methoxychlor	0.013	U	0.013	0.0023	ug/L		10/06/17 16:30	10/09/17 14:20	1
Toxaphene	1.3	U	1.3	0.048	ug/L		10/06/17 16:30	10/09/17 14:20	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39	p	10 - 130	10/06/17 16:30	10/09/17 14:20	1
Tetrachloro-m-xylene	54		39 - 130	10/06/17 16:30	10/09/17 14:20	1

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 497556

Allalysis Batch. 497714	Spike	LCS	LCS				%Rec.	JII. 497 330
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	
Aldrin	0.0250	0.0148		ug/L		59	48 - 130	
alpha-BHC	0.0250	0.0177		ug/L		71	45 _ 130	
alpha-Chlordane	0.0250	0.0169		ug/L		68	60 _ 130	
beta-BHC	0.0250	0.0178		ug/L		71	50 - 130	
4,4'-DDD	0.0250	0.0180		ug/L		72	52 _ 130	
4,4'-DDE	0.0250	0.0156		ug/L		62	48 - 130	
4,4'-DDT	0.0250	0.0165		ug/L		66	59 _ 130	
delta-BHC	0.0250	0.0182		ug/L		73	47 - 140	
Dieldrin	0.0250	0.0175		ug/L		70	55 - 130	
Endosulfan I	0.0250	0.0155		ug/L		62	27 _ 130	
Endosulfan II	0.0250	0.0164		ug/L		66	39 _ 130	
Endosulfan sulfate	0.0250	0.0176		ug/L		70	57 _ 130	
Endrin	0.0250	0.0172		ug/L		69	62 _ 131	
Endrin aldehyde	0.0250	0.0177		ug/L		71	39 - 177	
Endrin ketone	0.0250	0.0201		ug/L		80	47 - 130	
gamma-BHC (Lindane)	0.0250	0.0177		ug/L		71	47 _ 130	
gamma-Chlordane	0.0250	0.0166		ug/L		66	50 _ 145	
Heptachlor	0.0250	0.0142		ug/L		57	49 _ 130	
Heptachlor epoxide	0.0250	0.0174		ug/L		70	54 - 130	
Methoxychlor	0.0250	0.0181		ug/L		72	53 _ 130	

QC Sample Results

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497556

LCS LCS

Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl 61 10 - 130 Tetrachloro-m-xylene 48 39 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497556

Lab Sample ID: LCSD 680-497556/22-A

Matrix: Water

Analysis Batch: 497714

	Spike	LCSD LCS	D			%Rec.		RPD
Analyte	Added	Result Qual	lifier Unit	D	%Rec	Limits	RPD	Limit
Aldrin	0.0250	0.0156	ug/L		63	48 - 130	5	40
alpha-BHC	0.0250	0.0186	ug/L		74	45 - 130	5	30
alpha-Chlordane	0.0250	0.0181	ug/L		72	60 - 130	7	50
beta-BHC	0.0250	0.0186	ug/L		74	50 - 130	4	40
4,4'-DDD	0.0250	0.0184	ug/L		74	52 - 130	3	40
4,4'-DDE	0.0250	0.0166	ug/L		66	48 - 130	6	30
4,4'-DDT	0.0250	0.0170	ug/L		68	59 - 130	3	40
delta-BHC	0.0250	0.0191	ug/L		76	47 - 140	5	30
Dieldrin	0.0250	0.0182	ug/L		73	55 - 130	4	30
Endosulfan I	0.0250	0.0165	ug/L		66	27 - 130	6	30
Endosulfan II	0.0250	0.0167	ug/L		67	39 - 130	2	30
Endosulfan sulfate	0.0250	0.0178	ug/L		71	57 - 130	1	40
Endrin	0.0250	0.0175	ug/L		70	62 - 131	2	30
Endrin aldehyde	0.0250	0.0181	ug/L		72	39 - 177	2	40
Endrin ketone	0.0250	0.0206	ug/L		83	47 - 130	3	40
gamma-BHC (Lindane)	0.0250	0.0186	ug/L		74	47 - 130	5	30
gamma-Chlordane	0.0250	0.0176	ug/L		71	50 - 145	6	50
Heptachlor	0.0250	0.0146	ug/L		58	49 - 130	3	30
Heptachlor epoxide	0.0250	0.0183	ug/L		73	54 - 130	5	40
Methoxychlor	0.0250	0.0183	ug/L		73	53 - 130	1	40

LCSD	LCSD
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Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	57		10 - 130
Tetrachloro-m-xylene	50		39 - 130

QC Association Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

GC/MS VOA

Analysis Batch: 498026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143960-1	Effluent	Total/NA	Water	8260B	
680-143960-2	Carbon A-1	Total/NA	Water	8260B	
680-143960-3	Carbon B-1	Total/NA	Water	8260B	
680-143960-4	Influent	Total/NA	Water	8260B	
MB 680-498026/8	Method Blank	Total/NA	Water	8260B	
LCS 680-498026/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498026/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 497556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143960-1	Effluent	Total/NA	Water	3520C	
680-143960-2	Carbon A-1	Total/NA	Water	3520C	
680-143960-3	Carbon B-1	Total/NA	Water	3520C	
680-143960-4	Influent	Total/NA	Water	3520C	
MB 680-497556/20-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 497714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143960-1	Effluent	Total/NA	Water	8081B/8082A	497556
680-143960-2	Carbon A-1	Total/NA	Water	8081B/8082A	497556
680-143960-3	Carbon B-1	Total/NA	Water	8081B/8082A	497556
680-143960-4	Influent	Total/NA	Water	8081B/8082A	497556
MB 680-497556/20-A	Method Blank	Total/NA	Water	8081B/8082A	497556
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497556
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497556

Analysis Batch: 497723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143960-4	Influent	Total/NA	Water	8081B/8082A	497556

TestAmerica Savannah

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Matrix: Water

Matrix: Water

Matrix: Water

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Client Sample ID: Effluent

Date Collected: 10/03/17 16:43

Lab Sample ID: 680-143960-1

Matrix: Water

Date Received: 10/05/17 09:05

Batch Dilution Batch Batch Prepared Prep Type Method Type Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8260B 498026 10/11/17 11:48 UI TAL SAV 3520C 497556 Total/NA Prep 10/06/17 16:30 CEW TAL SAV Total/NA 8081B/8082A 497714 10/09/17 15:03 JCK TAL SAV Analysis

Client Sample ID: Carbon A-1 Lab Sample ID: 680-143960-2

Date Collected: 10/03/17 16:52

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			498026	10/11/17 12:10	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 15:17	JCK	TAL SAV

Client Sample ID: Carbon B-1 Lab Sample ID: 680-143960-3

Date Collected: 10/03/17 16:57

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 12:33	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 15:32	JCK	TAL SAV

Client Sample ID: Influent Lab Sample ID: 680-143960-4

Date Collected: 10/03/17 17:07

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 16:43	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 15:46	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 17:52	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program AFCEE	EPA Region	- Identification Number SAVLAB	Expiration Date	
Alabama		4		00 20 40	
Alabama	State Program	4	41450	06-30-18	
Alaska	State Program	10	LIOTANA	06-30-18	
Alaska (UST)	State Program	10	UST-104	11-05-17 *	
Arizona	State Program	9	AZ808	12-14-17	
Arkansas DEQ	State Program	6	88-0692	02-01-18	
California	State Program	9	2939	06-30-18	
Colorado	State Program	8	N/A	12-31-17	
Connecticut	State Program	1	PH-0161	03-31-19	
Florida	NELAP	4	E87052	06-30-18	
GA Dept. of Agriculture	State Program	4	N/A	06-12-18	
Georgia	State Program	4	803	06-30-18	
Guam	State Program	9	15-005r	04-16-18	
Hawaii	State Program	9	N/A	06-30-18	
Illinois	NELAP	5	200022	11-30-17	
Indiana	State Program	5	N/A	06-30-18	
lowa	State Program	7	353	06-30-19	
Kentucky (DW)	State Program	4	90084	12-31-17	
Kentucky (UST)	State Program	4	18	06-30-18	
Kentucky (WW)	State Program	4	90084	12-31-17	
L-A-B	DoD ELAP		L2463	09-22-19	
L-A-B	ISO/IEC 17025		L2463.01	09-22-19	
Louisiana	NELAP	6	30690	06-30-18	
Louisiana (DW)	NELAP	6	LA160019	12-31-17	
Maine	State Program	1	GA00006	09-24-18	
Maryland	State Program	3	250	12-31-17	
Massachusetts	State Program	1	M-GA006	06-30-18	
Michigan	State Program	5	9925	06-30-17 *	
Mississippi	State Program	4	N/A	06-30-18	
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18	
New Jersey	NELAP	2	GA769	06-30-18	
New Mexico	State Program	6	N/A	06-30-18	
New York	NELAP	2	10842	03-31-18	
North Carolina (DW)	State Program		13701	07-31-18	
North Carolina (WW/SW)	State Program	4	269	12-31-17	
Oklahoma	State Program	6	9984	08-31-18	
Pennsylvania	NELAP	3	68-00474	06-30-18	
Puerto Rico	State Program	2	GA00006	12-31-17	
South Carolina	State Program	4	98001	06-30-17 *	
				06-30-17	
Tennessee	State Program NELAP	4	TN02961 T104704185-16-9		
Texas		6		11-30-17	
Texas	State Program	6	T104704185	06-30-18	
US Fish & Wildlife	Federal		LE058448-0	07-31-18	
JSDA ,,	Federal		SAV 3-04	06-14-20 *	
Virginia	NELAP	3	460161	06-14-18	
Washington	State Program	10	C805	06-10-18	
West Virginia (DW)	State Program	3	9950C	12-31-17	
West Virginia DEP	State Program	3	094	06-30-18	
Wisconsin	State Program	5	999819810	08-31-18	
Wyoming	State Program	8	8TMS-L	06-30-16 *	

^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

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TestAmerica Savannah

TestAr		S REQUEST AND CHA	IN OF CUSTODY	RECO	RD) (5	102	merica S LaRoche nnah, GA			Website: www Phone: (912) 352 Fax: (912) 352		1
THE LEADER IN ENV						(_ A	ltern	ate Labor	ratory Name/L	ocation	Phone: Fax:		
PROJECT REFERENCE	-0	PROJECT NO. 11.990010.00	PROJECT LOCATION (STATE) NC		MATE					REQUIF	RED ANALYSIS		PAGE	9F
Gergy Chemical C TAL (LAB) PROJECT MANAGE Michele Kersey CLIENT (SITE) PM Chris Hay CLIENT NAME Enviro Trac Lt CLIENT ADDRESS		P.O. NUMBER REGSO002 CLIENT PHONE 336-763-6025 CLIENT E-MAIL Christopherh Qenv	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE		Fire	None BOB (1980)		(LINO (LE ONIL)				STANDARD REPORT DELIVERY DATE DUE EXPEDITED REPORT DELIVERY (SURCHARGE) DATE DUE	6
COMPANY CONTRACTING TO	HIS WORK (if a	pplicable)		POSITE (C)	SOLID OR SEMISOLID	- Constant	None		#C	RESE	RVATI	/E	NUMBER OF COOLE PER SHIPMENT:	RS SUBMITTED
SAMPLÉ TIME		SAMPLE IDENTIFICAT	ION	COM	SOLII	AIR	7	= 7	3 1	NUMBER OF CO	NTAINERS SUBMITTI	ED	REMARK	KS
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RELINQUISHED BY: (SIGNATURI	E)	DATE TIME	RELINQUISHED BY: (SI	GNATURE	1			D	ATE	680-1	43960 Chain of Cu		DATE	TIME
RECEIVED BY: (SIGNATURE)	(10/4/7 (630) DATE TIME						D	ATE	TIME	RECEIVEDBY		DATE 10-5-17	TIME
				LABO	RAT	ORYL	ISE ON	LY			10		10-5-17	0 100
RECEIVED FOR LABORATORY (SIGNATURE)	'BY:	DATE TIME	CUSTODY INTACT YES O	CUS	TOD	Υ	SAV	ANNA NO.	АН	LABORATO 5	RY REMARKS	15.60	^	

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-143960-1

Login Number: 143960 List Source: TestAmerica Savannah

List Number: 1

Creator: Anderson, Jordan K

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-144021-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd. 7343 W. Friendly Avenue Suite J Greensboro, North Carolina 27410

Attn: Chris Hay

Michele RKusey

Authorized for release by: 10/19/2017 11:51:59 AM

Michele Kersey, Project Manager II (912)354-7858

michele.kersey@testamericainc.com

·····LINKS ······

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Total Access

Have a Question?



Visit us at:www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Job ID: 680-144021-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-144021-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/6/2017 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 2.9° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-16D (680-144021-2), MW-17D (680-144021-3), MW-18D (680-144021-4) and DUP 2 (680-144021-8) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/17/2017.

Sample MW-17D (680-144021-3)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples MW-6S (680-144021-1), MW-18D (680-144021-4), PZ-3 (680-144021-5), PZ-2 (680-144021-6), MW-39L (680-144021-7) and DUP 2 (680-144021-8) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/10/2017 and analyzed on 10/11/2017 and 10/12/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497861.

The following sample contained an allowable number of surrogate compounds outside limits: MW-18D (680-144021-4). These results have been reported and qualified.

Sample MW-6S (680-144021-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

 $Client: EnviroTrac, \, Ltd.$

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-144021-1	MW-6S	Water	10/04/17 13:33	10/06/17 09:00
680-144021-2	MW-16D	Water	10/04/17 10:57	10/06/17 09:00
680-144021-3	MW-17D	Water	10/04/17 12:09	10/06/17 09:00
680-144021-4	MW-18D	Water	10/04/17 14:00	10/06/17 09:00
680-144021-5	PZ-3	Water	10/04/17 15:10	10/06/17 09:00
680-144021-6	PZ-2	Water	10/04/17 14:49	10/06/17 09:00
680-144021-7	MW-39L	Water	10/04/17 16:40	10/06/17 09:00
680-144021-8	DUP 2	Water	10/04/17 14:02	10/06/17 09:00

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Method Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
р	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)
MDL Method Detection Limit

ML Minimum Level (Dioxin)
NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

Client: EnviroTrac, Ltd.

Surrogate

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Lab Sample ID: 680-144021-1

Prepared

10/10/17 14:50

10/10/17 14:50

Analyzed

10/11/17 21:32

10/11/17 21:32

Dil Fac

Matrix: Water

Client Sample ID: MW-6S Date Collected: 10/04/17 13:33

Date Received: 10/06/17 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0071	ug/L		10/10/17 14:50	10/11/17 21:32	1
alpha-BHC	0.028	J	0.049	0.0076	ug/L		10/10/17 14:50	10/11/17 21:32	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		10/10/17 14:50	10/11/17 21:32	1
beta-BHC	2.4		0.24	0.059	ug/L		10/10/17 14:50	10/12/17 16:45	5
4,4'-DDD	0.049	U	0.049	0.0075	ug/L		10/10/17 14:50	10/11/17 21:32	1
4,4'-DDE	0.049	U	0.049	0.0072	ug/L		10/10/17 14:50	10/11/17 21:32	1
4,4'-DDT	0.049	U	0.049	0.0083	ug/L		10/10/17 14:50	10/11/17 21:32	1
delta-BHC	0.16		0.049	0.013	ug/L		10/10/17 14:50	10/11/17 21:32	1
Dieldrin	0.25		0.049	0.0084	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endosulfan I	0.049	U	0.049	0.0080	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endrin	0.049	U	0.049	0.0086	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endrin ketone	0.20		0.049	0.0087	ug/L		10/10/17 14:50	10/11/17 21:32	1
gamma-BHC (Lindane)	0.047	J	0.049	0.0081	ug/L		10/10/17 14:50	10/11/17 21:32	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		10/10/17 14:50	10/11/17 21:32	1
Heptachlor	0.049	U	0.049	0.0077	ug/L		10/10/17 14:50	10/11/17 21:32	1
Heptachlor epoxide	0.049	U	0.049	0.0079	ug/L		10/10/17 14:50	10/11/17 21:32	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		10/10/17 14:50	10/11/17 21:32	1
Toxaphene	7.5		4.9	0.19	ug/L		10/10/17 14:50	10/11/17 21:32	1

Limits

10 - 130

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%Recovery Qualifier

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: MW-16D Lab Sample ID: 680-144021-2

Date Collected: 10/04/17 10:57 Matrix: Water

Date Received: 10/06/17 09:00

Method: 8260B - Volatile Orga	nic Compounds	(GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	58		1.0	0.48	ug/L			10/17/17 11:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120			-		10/17/17 11:26	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					10/17/17 11:26	1
Dibromofluoromethane (Surr)	98		80 - 122					10/17/17 11:26	1
4-Bromofluorobenzene (Surr)	96		80 - 120					10/17/17 11:26	1

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: MW-17D Lab Sample ID: 680-144021-3

Date Collected: 10/04/17 12:09 Matrix: Water

Date Received: 10/06/17 09:00

Method: 8260B - Volatile Orga	nic Compounds	(GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	170		2.0	0.96	ug/L			10/17/17 11:49	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120			-		10/17/17 11:49	2
1,2-Dichloroethane-d4 (Surr)	110		73 - 131					10/17/17 11:49	2
Dibromofluoromethane (Surr)	106		80 - 122					10/17/17 11:49	2
4-Bromofluorobenzene (Surr)	95		80 - 120					10/17/17 11:49	2

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Client: EnviroTrac, Ltd.

Client Sample ID: MW-18D

Date Collected: 10/04/17 14:00

Date Received: 10/06/17 09:00

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Lab Sample ID: 680-144021-4

ix: Water

	Matri

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.58	J	1.0	0.48	ug/L			10/17/17 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120			-		10/17/17 14:06	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					10/17/17 14:06	1
Dibromofluoromethane (Surr)	97		80 - 122					10/17/17 14:06	1
4-Bromofluorobenzene (Surr)	96		80 - 120					10/17/17 14:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.055	U	0.055	0.0080	ug/L		10/10/17 14:50	10/11/17 21:46	1
alpha-BHC	0.020	J	0.055	0.0085	ug/L		10/10/17 14:50	10/11/17 21:46	1
alpha-Chlordane	0.055	U	0.055	0.011	ug/L		10/10/17 14:50	10/11/17 21:46	1
beta-BHC	0.41		0.055	0.013	ug/L		10/10/17 14:50	10/11/17 21:46	1
4,4'-DDD	0.055	U	0.055	0.0084	ug/L		10/10/17 14:50	10/11/17 21:46	1
4,4'-DDE	0.055	U	0.055	0.0081	ug/L		10/10/17 14:50	10/11/17 21:46	1
4,4'-DDT	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 21:46	1
delta-BHC	0.052	J	0.055	0.014	ug/L		10/10/17 14:50	10/11/17 21:46	1
Dieldrin	0.10		0.055	0.0094	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endosulfan I	0.055	U	0.055	0.0090	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endosulfan II	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endosulfan sulfate	0.055	U	0.055	0.0091	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endrin	0.055	U	0.055	0.0096	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endrin aldehyde	0.055	U	0.055	0.019	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endrin ketone	0.066		0.055	0.0097	ug/L		10/10/17 14:50	10/11/17 21:46	1
gamma-BHC (Lindane)	0.025	J	0.055	0.0091	ug/L		10/10/17 14:50	10/11/17 21:46	1
gamma-Chlordane	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 21:46	1
Heptachlor	0.055	U	0.055	0.0087	ug/L		10/10/17 14:50	10/11/17 21:46	1
Heptachlor epoxide	0.0090	Jp	0.055	0.0089	ug/L		10/10/17 14:50	10/11/17 21:46	1
Methoxychlor	0.055	U	0.055	0.010	ug/L		10/10/17 14:50	10/11/17 21:46	1
Toxaphene	2.5	J	5.5	0.21	ug/L		10/10/17 14:50	10/11/17 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		10 - 130				10/10/17 14:50	10/11/17 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		10 - 130	10/10/17 14:50	10/11/17 21:46	1
Tetrachloro-m-xylene	35	X	39 _ 130	10/10/17 14:50	10/11/17 21:46	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Lab Sample ID: 680-144021-5

Matrix: Water

Client Sample ID: PZ-3
Date Collected: 10/04/17 15:10

Date Received: 10/06/17 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/10/17 14:50	10/11/17 22:00	1
alpha-BHC	0.15		0.052	0.0081	ug/L		10/10/17 14:50	10/11/17 22:00	1
alpha-Chlordane	0.052	U	0.052	0.010	ug/L		10/10/17 14:50	10/11/17 22:00	1
beta-BHC	0.064		0.052	0.012	ug/L		10/10/17 14:50	10/11/17 22:00	1
4,4'-DDD	0.052	U	0.052	0.0080	ug/L		10/10/17 14:50	10/11/17 22:00	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/10/17 14:50	10/11/17 22:00	1
4,4'-DDT	0.052	U	0.052	0.0088	ug/L		10/10/17 14:50	10/11/17 22:00	1
delta-BHC	0.098		0.052	0.013	ug/L		10/10/17 14:50	10/11/17 22:00	1
Dieldrin	0.052	U	0.052	0.0089	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endosulfan I	0.052	U	0.052	0.0085	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endosulfan II	0.052	U	0.052	0.0088	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endosulfan sulfate	0.052	U	0.052	0.0086	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endrin	0.052	U	0.052	0.0091	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endrin ketone	0.052	U	0.052	0.0092	ug/L		10/10/17 14:50	10/11/17 22:00	1
gamma-BHC (Lindane)	0.10		0.052	0.0086	ug/L		10/10/17 14:50	10/11/17 22:00	1
gamma-Chlordane	0.052	U	0.052	0.0088	ug/L		10/10/17 14:50	10/11/17 22:00	1
Heptachlor	0.052	U	0.052	0.0082	ug/L		10/10/17 14:50	10/11/17 22:00	1
Heptachlor epoxide	0.052	U	0.052	0.0084	ug/L		10/10/17 14:50	10/11/17 22:00	1
Methoxychlor	0.052	U	0.052	0.0096	ug/L		10/10/17 14:50	10/11/17 22:00	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/10/17 14:50	10/11/17 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 130				10/10/17 14:50	10/11/17 22:00	1
Tetrachloro-m-xylene	41		39 - 130				10/10/17 14:50	10/11/17 22:00	1

Client: EnviroTrac, Ltd.

Client Sample ID: PZ-2

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Lab Sample ID: 680-144021-6

Date Collected: 10/04/17 14:49 **Matrix: Water**

Date Received: 10/06/17 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.055	U	0.055	0.0080	ug/L		10/10/17 14:50	10/11/17 22:15	1
alpha-BHC	0.21		0.055	0.0085	ug/L		10/10/17 14:50	10/11/17 22:15	1
alpha-Chlordane	0.055	U	0.055	0.011	ug/L		10/10/17 14:50	10/11/17 22:15	1
beta-BHC	0.13		0.055	0.013	ug/L		10/10/17 14:50	10/11/17 22:15	1
4,4'-DDD	0.055	U	0.055	0.0084	ug/L		10/10/17 14:50	10/11/17 22:15	1
4,4'-DDE	0.055	U	0.055	0.0081	ug/L		10/10/17 14:50	10/11/17 22:15	1
4,4'-DDT	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 22:15	1
delta-BHC	0.17		0.055	0.014	ug/L		10/10/17 14:50	10/11/17 22:15	1
Dieldrin	0.012	J	0.055	0.0094	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endosulfan I	0.055	U	0.055	0.0090	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endosulfan II	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endosulfan sulfate	0.055	U	0.055	0.0091	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endrin	0.055	U	0.055	0.0096	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endrin aldehyde	0.055	U	0.055	0.019	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endrin ketone	0.012	J	0.055	0.0097	ug/L		10/10/17 14:50	10/11/17 22:15	1
gamma-BHC (Lindane)	0.13		0.055	0.0091	ug/L		10/10/17 14:50	10/11/17 22:15	1
gamma-Chlordane	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 22:15	1
Heptachlor	0.055	U	0.055	0.0086	ug/L		10/10/17 14:50	10/11/17 22:15	1
Heptachlor epoxide	0.055	U	0.055	0.0089	ug/L		10/10/17 14:50	10/11/17 22:15	1
Methoxychlor	0.055	U	0.055	0.010	ug/L		10/10/17 14:50	10/11/17 22:15	1
Toxaphene	5.5	U	5.5	0.21	ug/L		10/10/17 14:50	10/11/17 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		10 - 130				10/10/17 14:50	10/11/17 22:15	1
Tetrachloro-m-xylene	40		39 - 130				10/10/17 14:50	10/11/17 22:15	1

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-144021-1 Project/Site: Geigy Chemical Corp. / 11.990010.00

Lab Sample ID: 680-144021-7

Matrix: Water

Date Collected: 10/04/17 16:40 Date Received: 10/06/17 09:00

Client Sample ID: MW-39L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/10/17 14:50	10/11/17 22:29	1
alpha-BHC	0.052	U	0.052	0.0082	ug/L		10/10/17 14:50	10/11/17 22:29	1
alpha-Chlordane	0.052	U	0.052	0.010	ug/L		10/10/17 14:50	10/11/17 22:29	1
beta-BHC	0.052	U	0.052	0.013	ug/L		10/10/17 14:50	10/11/17 22:29	1
4,4'-DDD	0.052	U	0.052	0.0081	ug/L		10/10/17 14:50	10/11/17 22:29	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/10/17 14:50	10/11/17 22:29	1
4,4'-DDT	0.052	U	0.052	0.0089	ug/L		10/10/17 14:50	10/11/17 22:29	1
delta-BHC	0.052	U	0.052	0.014	ug/L		10/10/17 14:50	10/11/17 22:29	1
Dieldrin	0.052	U	0.052	0.0090	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endosulfan I	0.052	U	0.052	0.0086	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endosulfan II	0.052	U	0.052	0.0089	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endosulfan sulfate	0.052	U	0.052	0.0087	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endrin	0.052	U	0.052	0.0092	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endrin ketone	0.052	U	0.052	0.0093	ug/L		10/10/17 14:50	10/11/17 22:29	1
gamma-BHC (Lindane)	0.052	U	0.052	0.0087	ug/L		10/10/17 14:50	10/11/17 22:29	1
gamma-Chlordane	0.052	U	0.052	0.0089	ug/L		10/10/17 14:50	10/11/17 22:29	1
Heptachlor	0.052	U	0.052	0.0083	ug/L		10/10/17 14:50	10/11/17 22:29	1
Heptachlor epoxide	0.052	U	0.052	0.0085	ug/L		10/10/17 14:50	10/11/17 22:29	1
Methoxychlor	0.052	U	0.052	0.0097	ug/L		10/10/17 14:50	10/11/17 22:29	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/10/17 14:50	10/11/17 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		10 - 130				10/10/17 14:50	10/11/17 22:29	1
Tetrachloro-m-xylene	44		39 - 130				10/10/17 14:50	10/11/17 22:29	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Lab Sample ID: 680-144021-8

Matrix: Water

Date Collected: 10/04/17 14:02 Date Received: 10/06/17 09:00

Client Sample ID: DUP 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.59	J	1.0	0.48	ug/L			10/17/17 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120			-		10/17/17 12:35	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					10/17/17 12:35	1
Dibromofluoromethane (Surr)	98		80 - 122					10/17/17 12:35	1
4-Bromofluorobenzene (Surr)	94		80 - 120					10/17/17 12:35	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0074	ug/L		10/10/17 14:50	10/11/17 22:43	1
alpha-BHC	0.024	J	0.050	0.0079	ug/L		10/10/17 14:50	10/11/17 22:43	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		10/10/17 14:50	10/11/17 22:43	1
beta-BHC	0.42		0.050	0.012	ug/L		10/10/17 14:50	10/11/17 22:43	1
4,4'-DDD	0.050	U	0.050	0.0078	ug/L		10/10/17 14:50	10/11/17 22:43	1
4,4'-DDE	0.050	U	0.050	0.0075	ug/L		10/10/17 14:50	10/11/17 22:43	1
4,4'-DDT	0.050	U	0.050	0.0086	ug/L		10/10/17 14:50	10/11/17 22:43	1
delta-BHC	0.058		0.050	0.013	ug/L		10/10/17 14:50	10/11/17 22:43	1
Dieldrin	0.11		0.050	0.0087	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endosulfan I	0.050	U	0.050	0.0083	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endosulfan II	0.050	U	0.050	0.0086	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endosulfan sulfate	0.050	U	0.050	0.0084	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endrin	0.050	U	0.050	0.0089	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endrin ketone	0.066		0.050	0.0090	ug/L		10/10/17 14:50	10/11/17 22:43	1
gamma-BHC (Lindane)	0.025	J	0.050	0.0084	ug/L		10/10/17 14:50	10/11/17 22:43	1
gamma-Chlordane	0.050	U	0.050	0.0086	ug/L		10/10/17 14:50	10/11/17 22:43	1
Heptachlor	0.050	U	0.050	0.0080	ug/L		10/10/17 14:50	10/11/17 22:43	1
Heptachlor epoxide	0.0093	Jр	0.050	0.0082	ug/L		10/10/17 14:50	10/11/17 22:43	1
Methoxychlor	0.050	U	0.050	0.0094	ug/L		10/10/17 14:50	10/11/17 22:43	1
Toxaphene	2.5	J	5.0	0.19	ug/L		10/10/17 14:50	10/11/17 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		10 - 130				10/10/17 14:50	10/11/17 22:43	1
Tetrachloro-m-xylene	43		39 - 130				10/10/17 14:50	10/11/17 22:43	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-498751/8

Matrix: Water

Analysis Batch: 498751

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Pı	repared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L				10/17/17 09:44	1

	MB	MB				
Surrogate	%Recovery	Qualifier Lin	nits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94	80	- 120		10/17/17 09:44	1
1,2-Dichloroethane-d4 (Surr)	93	73	₋ 131		10/17/17 09:44	1
Dibromofluoromethane (Surr)	98	80	- 122		10/17/17 09:44	1
4-Bromofluorobenzene (Surr)	93	80	₋ 120		10/17/17 09:44	1

Lab Sample ID: LCS 680-498751/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 498751

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Trichloroethene	50.0	50.1		ug/L	_	100	80 - 120	

	LCS	LCS		
Surrogate	%Recovery	Qualifier	Limits	
Toluene-d8 (Surr)	96		80 - 120	
1,2-Dichloroethane-d4 (Surr)	93		73 - 131	
Dibromofluoromethane (Surr)	99		80 - 122	
4-Bromofluorobenzene (Surr)	97		80 - 120	

MB MB

Lab Sample ID: LCSD 680-498751/4 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 498751

RPD Spike LCSD LCSD %Rec. Added Result Qualifier Analyte Unit Limits **RPD** Limit Trichloroethene 50.0 48.9 ug/L 80 - 120

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	95		80 - 120
1,2-Dichloroethane-d4 (Surr)	93		73 - 131
Dibromofluoromethane (Surr)	98		80 - 122
4-Bromofluorobenzene (Surr)	98		80 - 120

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Lab Sample ID: MB 680-497861/7-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 498168 **Prep Batch: 497861**

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		10/10/17 14:50	10/11/17 20:49	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		10/10/17 14:50	10/11/17 20:49	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		10/10/17 14:50	10/11/17 20:49	1
beta-BHC	0.050	U	0.050	0.012	ug/L		10/10/17 14:50	10/11/17 20:49	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		10/10/17 14:50	10/11/17 20:49	1

TestAmerica Job ID: 680-144021-1

Client: EnviroTrac, Ltd. Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: MB 680-497861/7-A **Matrix: Water**

Analysis Batch: 498168

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 497861

	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		10/10/17 14:50	10/11/17 20:49	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		10/10/17 14:50	10/11/17 20:49	1
delta-BHC	0.050	U	0.050	0.013	ug/L		10/10/17 14:50	10/11/17 20:49	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endrin	0.050	U	0.050	0.0088	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		10/10/17 14:50	10/11/17 20:49	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		10/10/17 14:50	10/11/17 20:49	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		10/10/17 14:50	10/11/17 20:49	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		10/10/17 14:50	10/11/17 20:49	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		10/10/17 14:50	10/11/17 20:49	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		10/10/17 14:50	10/11/17 20:49	1
Toxaphene	5.0	U	5.0	0.19	ug/L		10/10/17 14:50	10/11/17 20:49	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		10 - 130	10/10/17 14:50	10/11/17 20:49	1
Tetrachloro-m-xylene	53		39 - 130	10/10/17 14:50	10/11/17 20:49	1

Lab Sample ID: LCS 680-497861/8-A

Matrix: Water

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Analysis Batch: 498168						Prep Batch: 497861
	Spike	LCS LC	cs			%Rec.
Analyte	Added	Result Q	ualifier Unit	D	%Rec	Limits
Aldrin	0.100	0.0593	ug/L		59	48 - 130
alpha-BHC	0.100	0.0642	ug/L		64	45 _ 130
alpha-Chlordane	0.100	0.0676	ug/L		68	60 _ 130
beta-BHC	0.100	0.0692	ug/L		69	50 - 130
4,4'-DDD	0.100	0.0753	ug/L		75	52 - 130
4,4'-DDE	0.100	0.0672	ug/L		67	48 - 130
4,4'-DDT	0.100	0.0686	ug/L		69	59 _ 130
delta-BHC	0.100	0.0706	ug/L		71	47 - 140
Dieldrin	0.100	0.0681	ug/L		68	55 - 130
Endosulfan I	0.100	0.0579	ug/L		58	27 _ 130
Endosulfan II	0.100	0.0628	ug/L		63	39 _ 130
Endosulfan sulfate	0.100	0.0725	ug/L		73	57 ₋ 130
Endrin	0.100	0.0703	ug/L		70	62 _ 131
Endrin aldehyde	0.100	0.0756	ug/L		76	39 - 177
Endrin ketone	0.100	0.0816	ug/L		82	47 - 130
gamma-BHC (Lindane)	0.100	0.0661	ug/L		66	47 - 130
gamma-Chlordane	0.100	0.0663	ug/L		66	50 - 145
Heptachlor	0.100	0.0587	ug/L		59	49 - 130
Heptachlor epoxide	0.100	0.0669	ug/L		67	54 - 130
Methoxychlor	0.100	0.0834	ug/L		83	53 - 130

QC Sample Results

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-497861/8-A

Matrix: Water

Analysis Batch: 498168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497861

 Surrogate
 %Recovery
 Qualifier
 Limits

 DCB Decachlorobiphenyl
 62
 10 - 130

 Tetrachloro-m-xylene
 45
 39 - 130

Lab Sample ID: LCSD 680-497861/9-A

Matrix: Water

Analysis Batch: 498168

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497861

Analysis Baton: 400100							1.00.	Jutoii. 4	0.00.
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aldrin	0.100	0.0555		ug/L		56	48 - 130	7	40
alpha-BHC	0.100	0.0627		ug/L		63	45 - 130	2	30
alpha-Chlordane	0.100	0.0683		ug/L		68	60 - 130	1	50
beta-BHC	0.100	0.0699		ug/L		70	50 - 130	1	40
4,4'-DDD	0.100	0.0800		ug/L		80	52 - 130	6	40
4,4'-DDE	0.100	0.0670		ug/L		67	48 - 130	0	30
4,4'-DDT	0.100	0.0727		ug/L		73	59 - 130	6	40
delta-BHC	0.100	0.0718		ug/L		72	47 - 140	2	30
Dieldrin	0.100	0.0713		ug/L		71	55 - 130	5	30
Endosulfan I	0.100	0.0598		ug/L		60	27 - 130	3	30
Endosulfan II	0.100	0.0681		ug/L		68	39 - 130	8	30
Endosulfan sulfate	0.100	0.0795		ug/L		80	57 - 130	9	40
Endrin	0.100	0.0727		ug/L		73	62 - 131	3	30
Endrin aldehyde	0.100	0.104		ug/L		104	39 _ 177	31	40
Endrin ketone	0.100	0.0917		ug/L		92	47 - 130	12	40
gamma-BHC (Lindane)	0.100	0.0709		ug/L		71	47 - 130	7	30
gamma-Chlordane	0.100	0.0677		ug/L		68	50 - 145	2	50
Heptachlor	0.100	0.0558		ug/L		56	49 - 130	5	30
Heptachlor epoxide	0.100	0.0689		ug/L		69	54 - 130	3	40
Methoxychlor	0.100	0.0844		ug/L		84	53 - 130	1	40

LCSD	LCSD
------	------

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	63		10 - 130
Tetrachloro-m-xvlene	44		39 - 130

QC Association Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

GC/MS VOA

Analysis Batch: 498751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144021-2	MW-16D	Total/NA	Water	8260B	
680-144021-3	MW-17D	Total/NA	Water	8260B	
680-144021-4	MW-18D	Total/NA	Water	8260B	
680-144021-8	DUP 2	Total/NA	Water	8260B	
MB 680-498751/8	Method Blank	Total/NA	Water	8260B	
LCS 680-498751/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498751/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 497861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144021-1	MW-6S	Total/NA	Water	3520C	
680-144021-4	MW-18D	Total/NA	Water	3520C	
680-144021-5	PZ-3	Total/NA	Water	3520C	
680-144021-6	PZ-2	Total/NA	Water	3520C	
680-144021-7	MW-39L	Total/NA	Water	3520C	
680-144021-8	DUP 2	Total/NA	Water	3520C	
MB 680-497861/7-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497861/8-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497861/9-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 498168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144021-1	MW-6S	Total/NA	Water	8081B/8082A	497861
680-144021-4	MW-18D	Total/NA	Water	8081B/8082A	497861
680-144021-5	PZ-3	Total/NA	Water	8081B/8082A	497861
680-144021-6	PZ-2	Total/NA	Water	8081B/8082A	497861
680-144021-7	MW-39L	Total/NA	Water	8081B/8082A	497861
680-144021-8	DUP 2	Total/NA	Water	8081B/8082A	497861
MB 680-497861/7-A	Method Blank	Total/NA	Water	8081B/8082A	497861
LCS 680-497861/8-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497861
LCSD 680-497861/9-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497861

Analysis Batch: 498285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144021-1	MW-6S	Total/NA	Water	8081B/8082A	497861

TestAmerica Savannah

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Client Sample ID: MW-6S

Date Collected: 10/04/17 13:33 Date Received: 10/06/17 09:00 Lab Sample ID: 680-144021-1

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 21:32	JCK	TAL SAV
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	498285	10/12/17 16:45	JCK	TAL SAV

Client Sample ID: MW-16D Lab Sample ID: 680-144021-2

Date Collected: 10/04/17 10:57

Date Received: 10/06/17 09:00

Batch Batch Dilution Batch Prepared

Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab 8260B 498751 CMB TAL SAV Total/NA Analysis 10/17/17 11:26

Client Sample ID: MW-17D

Date Collected: 10/04/17 12:09

Lab Sample ID: 680-144021-3

Matrix: Water

Date Collected: 10/04/17 12:09 Date Received: 10/06/17 09:00

Batch Batch Dilution Batch Prepared Method Factor Number Prep Type Туре or Analyzed Run Analyst Lab 8260B 498751 TAL SAV 2 10/17/17 11:49 CMB Total/NA Analysis

Client Sample ID: MW-18D Lab Sample ID: 680-144021-4

Date Collected: 10/04/17 14:00

Date Received: 10/06/17 09:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498751	10/17/17 14:06	CMB	TAL SAV
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 21:46	JCK	TAL SAV

Client Sample ID: PZ-3 Lab Sample ID: 680-144021-5

Date Collected: 10/04/17 15:10

Date Received: 10/06/17 09:00

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 22:00	JCK	TAL SAV

Client Sample ID: PZ-2 Lab Sample ID: 680-144021-6

Date Collected: 10/04/17 14:49

Date Received: 10/06/17 09:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV

Lab Chronicle

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: PZ-2 Lab Sample ID: 680-144021-6

Date Collected: 10/04/17 14:49 Matrix: Water

Date Received: 10/06/17 09:00

Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8081B/8082A 498168 10/11/17 22:15 JCK TAL SAV

Client Sample ID: MW-39L Lab Sample ID: 680-144021-7

Date Collected: 10/04/17 16:40 Matrix: Water

Date Received: 10/06/17 09:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 22:29	JCK	TAL SAV

Client Sample ID: DUP 2 Lab Sample ID: 680-144021-8

Date Collected: 10/04/17 14:02 Matrix: Water

Date Received: 10/06/17 09:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			498751	10/17/17 12:35	CMB	TAL SAV
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 22:43	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program AFCEE	EPA Region	- Identification Number SAVLAB	Expiration Date
Alabama	State Program	4	41450	06-30-18
Alaska	-	10	41430	06-30-18
	State Program		LICT 104	
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
lowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-17
Texas	NELAP	6	T104704185-16-9	11-30-17
Texas	State Program	6	T104704185	06-30-18
JS Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	07-31-16
		2		
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

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TestAmerica Savannah

5102 LaRoche Avenue Savannah, GA 31404

Chain of Custody Record



Phone (912) 354-7858 Fax (912) 352-0165															THE	E LEADER IN	ENVIRO	NMENTAL	TESTING
Client Information	Sampler:	ame	me Bl	aust	Lab F Kers	Pм: sey, Mi	chele	R			Carrier	Tracking	No(s):			C No: 0-86756-35	154.4		
Client Contact: Chris Hay	Phone:	361.	763-6	0025	– E-Ma mich		rsey(@test	tameric	ainc.com					Pag Pag	e: ge 4 of 7			
Company: EnviroTrac, Ltd.										Analysis R	equest	ed			Job	#:			
Address: 7343 W. Friendly Avenue Suite J	Due Date	Request	ted:							TÍT	İI			1	Pre	servation C	odes:		
City: Greensboro	TAT Req	uested (d		1											B- C-	HCL NaOH Zn Acetate	N - N	Hexane None AsNaO2	
State, Zip: NC, 27410		5	tambas	D)		- 10	١.,								E-	Nitric Acid NaHSO4 MeOH	0-1	Va2O4S Va2SO3	
Phone: (336) 763-6025	PO#: REGS0	004				(a)	Pesticides								G-	Amchior Ascorbic Acid	S-+	Na2S2O3 H2SO4 ISP Dode	cahydrate
Email: christopherh@envirotrac.com	WO#:					or No				111	1				1 - 10		U-A	Acetone VCAA	burry drill de
Project Name: Geigy Chemical Corp.	Project #: 680062	51				(Yes	Routin	Sublist						container	K -	EDTA EDA		pH 4-5 other (spec	cify)
Ste: Gersy 11,9900,00	SSOW#:					Sample ISD (Ye	- (MOD) Routine	101	ethod					of cont		er:			
Sample Identification	Sampl	e Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid O=wasterori, BY=Tissue, A=Air) ation Code:	Field Filtered	8081B_8082A	A 8260B - (MOD)	Z 160.2 - Local Method					Total Number	TOTAL INC.	Special	Instruc	ctions/N	lote:
mw-65	10/4	1.0	13:33	6	Water	m	N	A	IN					-	1				
mw-16D	1-7-1		10.57	7	Water	+		V		+++	++	+							
	1		12:09		Water	+	+	X	-					100					7
MW-17B MW-18D			14.00		Water	H	X	~	\vdash	+++	++	+							A
			15:10		Water	+	Y	1				+					2		BE
P7.2			14.49		Water		X			+	+				1		23		IIA
M12-391			16:40		Water	$\dagger \dagger$	X	1	Ħ		++	+	+++		-		00		Z
PZ-3 PZ-2 MW-39L Dup 2			14.02	1	Water	\dagger	X	+											8
1040	1		1 1/4	-	Water			1							Ш		_		Ĕ
					Water						80-144	021 Ct	ain of Cu	stody			-	- 1	>
					Water		T				1 1	1		,			-		
Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poil Deliverable Requested: I, II, III, IV, Other (specify)	son B	Unkn	own \square_R	Radiologica	1		\Box_F	Return	To CI	A fee may be	Disposa	ed if sa al By La	amples ar		ined I hive I			nth) Ionths	
			In .					i iiisti	uctions	s/QC Requiren	esecution.								
Empty Kit Relinquished by:	Date/Tim	e: i	Date:		Company	Time:		eived	hv: Ø		N	lethod of	Shipment: Date/Time:				Icon	an and	
Relinquished by:	Date/Tim /0/5 Date/Tim	117	83	50	Company	STA		+	59	5×			To Manager					npany	
Ų					Company			eived I					Date/Time:					npany	
Relinquished by:	Date/Tim	е:			Company		d	ejved I		hab	ele	ai.	Date/Tirpe	00	اما	13	- Con	370	0
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No							Coo	oler Ter	mperatu	re(s) °C and Olhe	Remarks)	1 2	1	(2	.9)			

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd. Job Number: 680-144021-1

Login Number: 144021 List Source: TestAmerica Savannah

List Number: 1

Creator: Chamberlain, Kim A

oreator. Onamberiam, Nim A		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is 6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-143980-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd. 7343 W. Friendly Avenue Suite J Greensboro, North Carolina 27410

Attn: Chris Hay

Michele R.Kersey

Authorized for release by: 10/13/2017 1:53:31 PM

Michele Kersey, Project Manager II (912)354-7858

michele.kersey@testamericainc.com

----- LINKS -----

Review your project results through **Total Access**

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Job ID: 680-143980-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-143980-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/5/2017 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.5° C, 3.4° C, 4.0° C and 4.1° C.

Receipt Exceptions

The following samples was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): MW-4S (680-143980-1), MW-5S (680-143980-2), MW-10S (680-143980-3), MW-30D (680-143980-4), MW-11D (680-143980-5), MW-18S (680-143980-6), Dup (680-143980-7) and MW-17S (680-143980-8)

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-10S (680-143980-3), MW-30D (680-143980-4), MW-11D (680-143980-5), MW-18S (680-143980-6), Dup (680-143980-7) and MW-17S (680-143980-8) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/11/2017 and 10/12/2017.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-498026.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-498113.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples MW-4S (680-143980-1), MW-5S (680-143980-2), MW-10S (680-143980-3), MW-30D (680-143980-4), MW-11D (680-143980-5), MW-18S (680-143980-6), Dup (680-143980-7) and MW-17S (680-143980-8) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B 8082A. The samples were prepared on 10/06/2017 and analyzed on 10/09/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497556.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-4S (680-143980-1), MW-5S (680-143980-2) and MW-10S (680-143980-3). These results have been reported and qualified.

TestAmerica Savannah

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Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Job ID: 680-143980-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples MW-5S (680-143980-2)[5X], MW-30D (680-143980-4)[5X], MW-11D (680-143980-5)[5X] and Dup (680-143980-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Sample Summary

 $Client: EnviroTrac, \, Ltd.$

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-143980-1	MW-4S	Water	10/03/17 16:06	10/05/17 09:05
680-143980-2	MW-5S	Water	10/03/17 14:57	10/05/17 09:05
680-143980-3	MW-10S	Water	10/03/17 14:01	10/05/17 09:05
680-143980-4	MW-30D	Water	10/03/17 13:12	10/05/17 09:05
680-143980-5	MW-11D	Water	10/03/17 12:12	10/05/17 09:05
680-143980-6	MW-18S	Water	10/03/17 11:29	10/05/17 09:05
680-143980-7	Dup	Water	10/03/17 12:14	10/05/17 09:05
680-143980-8	MW-17S	Water	10/03/17 10:54	10/05/17 09:05

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Method Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Qualifiers

GC/MS VOA

Qualifier		ua l	itie	r Des	scription		
						 	 _

Ovelifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

O......

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.							
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis							
%R	Percent Recovery							
CFL	Contains Free Liquid							
CNF	Contains No Free Liquid							
DER	Duplicate Error Ratio (normalized absolute difference)							
Dil Fac	Dilution Factor							
DL	Detection Limit (DoD/DOE)							
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample							

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID: 680-143980-1

Matrix: Water

Client Sample ID: MW-4S Date Collected: 10/03/17 16:06 Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/06/17 16:30	10/09/17 16:05	1
alpha-BHC	0.052	U	0.052	0.0081	ug/L		10/06/17 16:30	10/09/17 16:05	1
alpha-Chlordane	0.15	p	0.052	0.010	ug/L		10/06/17 16:30	10/09/17 16:05	1
beta-BHC	0.052	U	0.052	0.012	ug/L		10/06/17 16:30	10/09/17 16:05	1
4,4'-DDD	0.052	U	0.052	0.0080	ug/L		10/06/17 16:30	10/09/17 16:05	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/06/17 16:30	10/09/17 16:05	1
4,4'-DDT	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:05	1
delta-BHC	0.052	U	0.052	0.014	ug/L		10/06/17 16:30	10/09/17 16:05	1
Dieldrin	0.052	U	0.052	0.0090	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endosulfan I	0.052	U	0.052	0.0085	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endosulfan II	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endosulfan sulfate	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endrin	0.052	U	0.052	0.0092	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endrin ketone	0.052	U	0.052	0.0093	ug/L		10/06/17 16:30	10/09/17 16:05	1
gamma-BHC (Lindane)	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:05	1
gamma-Chlordane	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:05	1
Heptachlor	0.052	U	0.052	0.0082	ug/L		10/06/17 16:30	10/09/17 16:05	1
Heptachlor epoxide	0.052	U	0.052	0.0084	ug/L		10/06/17 16:30	10/09/17 16:05	1
Methoxychlor	0.052	U	0.052	0.0097	ug/L		10/06/17 16:30	10/09/17 16:05	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/06/17 16:30	10/09/17 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	30	p	10 - 130				10/06/17 16:30	10/09/17 16:05	1
Tetrachloro-m-xylene	34	X	39 - 130				10/06/17 16:30	10/09/17 16:05	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID: 680-143980-2

Matrix: Water

Client Sample ID: MW-5S Date Collected: 10/03/17 14:57

Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.053	U	0.053	0.0077	ug/L		10/06/17 16:30	10/09/17 16:19	1
alpha-BHC	0.023	J	0.053	0.0083	ug/L		10/06/17 16:30	10/09/17 16:19	1
alpha-Chlordane	0.053	U	0.053	0.011	ug/L		10/06/17 16:30	10/09/17 16:19	1
beta-BHC	2.8		0.26	0.064	ug/L		10/06/17 16:30	10/09/17 18:08	5
4,4'-DDD	0.053	U	0.053	0.0081	ug/L		10/06/17 16:30	10/09/17 16:19	1
4,4'-DDE	0.053	U	0.053	0.0078	ug/L		10/06/17 16:30	10/09/17 16:19	1
4,4'-DDT	0.053	U	0.053	0.0090	ug/L		10/06/17 16:30	10/09/17 16:19	1
delta-BHC	0.14		0.053	0.014	ug/L		10/06/17 16:30	10/09/17 16:19	1
Dieldrin	0.75		0.053	0.0091	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endosulfan I	0.053	U	0.053	0.0087	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endosulfan II	0.053	U	0.053	0.0090	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endosulfan sulfate	0.053	U	0.053	0.0088	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endrin	0.053	U	0.053	0.0093	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endrin aldehyde	0.053	U	0.053	0.018	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endrin ketone	0.50		0.053	0.0094	ug/L		10/06/17 16:30	10/09/17 16:19	1
gamma-BHC (Lindane)	0.022	Jp	0.053	0.0088	ug/L		10/06/17 16:30	10/09/17 16:19	1
gamma-Chlordane	0.053	U	0.053	0.0090	ug/L		10/06/17 16:30	10/09/17 16:19	1
Heptachlor	0.053	U	0.053	0.0084	ug/L		10/06/17 16:30	10/09/17 16:19	1
Heptachlor epoxide	0.053	U	0.053	0.0086	ug/L		10/06/17 16:30	10/09/17 16:19	1
Methoxychlor	0.053	U	0.053	0.0098	ug/L		10/06/17 16:30	10/09/17 16:19	1
Toxaphene	6.9	p	5.3	0.20	ug/L		10/06/17 16:30	10/09/17 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	34	p	10 - 130				10/06/17 16:30	10/09/17 16:19	1
Tetrachloro-m-xylene	36	X	39 - 130				10/06/17 16:30	10/09/17 16:19	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID: 680-143980-3

Matrix: Water

Client Sample ID: MW-10S Date Collected: 10/03/17 14:01 Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120			-		10/11/17 17:06	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 17:06	1
Dibramaficaramathana (Cum)	98		80 - 122					10/11/17 17:06	1
Dibromofluoromethane (Surr)	30		00 - 122					10/11/11/11.00	,

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0074	ug/L		10/06/17 16:30	10/09/17 16:33	1
alpha-BHC	0.051	U	0.051	0.0079	ug/L		10/06/17 16:30	10/09/17 16:33	1
alpha-Chlordane	0.051	U	0.051	0.010	ug/L		10/06/17 16:30	10/09/17 16:33	1
beta-BHC	0.078		0.051	0.012	ug/L		10/06/17 16:30	10/09/17 16:33	1
4,4'-DDD	0.051	U	0.051	0.0078	ug/L		10/06/17 16:30	10/09/17 16:33	1
4,4'-DDE	0.051	U	0.051	0.0075	ug/L		10/06/17 16:30	10/09/17 16:33	1
4,4'-DDT	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:33	1
delta-BHC	0.051	U	0.051	0.013	ug/L		10/06/17 16:30	10/09/17 16:33	1
Dieldrin	0.051	U	0.051	0.0088	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endosulfan I	0.051	U	0.051	0.0084	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endosulfan II	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endosulfan sulfate	0.051	U	0.051	0.0085	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endrin	0.051	U	0.051	0.0090	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endrin aldehyde	0.051	U	0.051	0.017	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endrin ketone	0.021	J	0.051	0.0091	ug/L		10/06/17 16:30	10/09/17 16:33	1
gamma-BHC (Lindane)	0.051	U	0.051	0.0085	ug/L		10/06/17 16:30	10/09/17 16:33	1
gamma-Chlordane	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:33	1
Heptachlor	0.051	U	0.051	0.0081	ug/L		10/06/17 16:30	10/09/17 16:33	1
Heptachlor epoxide	0.051	U	0.051	0.0083	ug/L		10/06/17 16:30	10/09/17 16:33	1
Methoxychlor	0.051	U	0.051	0.0095	ug/L		10/06/17 16:30	10/09/17 16:33	1
Toxaphene	5.1	U	5.1	0.19	ug/L		10/06/17 16:30	10/09/17 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	25	p	10 - 130				10/06/17 16:30	10/09/17 16:33	1
Tetrachloro-m-xylene	36	X	39 - 130				10/06/17 16:30	10/09/17 16:33	1

Client: EnviroTrac, Ltd.

Client Sample ID: MW-30D

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID: 680-143980-4

Matrix: Water

Date Collected: 10/03/17 13:12 Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.5		1.0	0.48	ug/L			10/11/17 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120			-		10/11/17 17:29	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 17:29	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 17:29	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 17:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/06/17 16:30	10/09/17 16:25	1
alpha-BHC	0.11		0.052	0.0081	ug/L		10/06/17 16:30	10/09/17 16:25	1
alpha-Chlordane	0.052	U	0.052	0.010	ug/L		10/06/17 16:30	10/09/17 16:25	1
beta-BHC	2.1		0.26	0.062	ug/L		10/06/17 16:30	10/09/17 18:25	5
4,4'-DDD	0.052	U	0.052	0.0080	ug/L		10/06/17 16:30	10/09/17 16:25	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/06/17 16:30	10/09/17 16:25	1
4,4'-DDT	0.055		0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:25	1
delta-BHC	0.24		0.052	0.013	ug/L		10/06/17 16:30	10/09/17 16:25	1
Dieldrin	0.26		0.052	0.0089	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endosulfan I	0.052	U	0.052	0.0085	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endosulfan II	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endosulfan sulfate	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endrin	0.052	U	0.052	0.0091	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endrin ketone	0.26		0.052	0.0092	ug/L		10/06/17 16:30	10/09/17 16:25	1
gamma-BHC (Lindane)	0.061		0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:25	1
gamma-Chlordane	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:25	1
Heptachlor	0.052	U	0.052	0.0082	ug/L		10/06/17 16:30	10/09/17 16:25	1
Heptachlor epoxide	0.052	U	0.052	0.0084	ug/L		10/06/17 16:30	10/09/17 16:25	1
Methoxychlor	0.052	U	0.052	0.0096	ug/L		10/06/17 16:30	10/09/17 16:25	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/06/17 16:30	10/09/17 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		10 - 130				10/06/17 16:30	10/09/17 16:25	1
Tetrachloro m vylene	27	V	20 120				10/06/17 16:20	10/00/17 16:25	1

BOB Becacinorosiphenyi	02	10 - 100	10/00/11 10:00	10/03/11 10.20	•
Tetrachloro-m-xylene	37 X	39 - 130	10/06/17 16:30	10/09/17 16:25	1
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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID: 680-143980-5

Matrix: Water

Date Collected: 10/03/17 12:12 Date Received: 10/05/17 09:05

Client Sample ID: MW-11D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					10/11/17 17:52	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 17:52	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 17:52	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 17:52	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0075	ug/L		10/06/17 16:30	10/09/17 16:42	1
alpha-BHC	0.016	J p	0.051	0.0080	ug/L		10/06/17 16:30	10/09/17 16:42	1
alpha-Chlordane	0.051	U	0.051	0.010	ug/L		10/06/17 16:30	10/09/17 16:42	1
beta-BHC	0.96		0.26	0.062	ug/L		10/06/17 16:30	10/09/17 18:41	5
4,4'-DDD	0.051	U	0.051	0.0079	ug/L		10/06/17 16:30	10/09/17 16:42	1
4,4'-DDE	0.051	U	0.051	0.0076	ug/L		10/06/17 16:30	10/09/17 16:42	1
4,4'-DDT	0.018	J	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:42	1
delta-BHC	0.051	U	0.051	0.013	ug/L		10/06/17 16:30	10/09/17 16:42	1
Dieldrin	0.051	U	0.051	0.0088	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endosulfan I	0.051	U	0.051	0.0084	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endosulfan II	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endosulfan sulfate	0.051	U	0.051	0.0085	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endrin	0.051	U	0.051	0.0090	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endrin aldehyde	0.051	U	0.051	0.017	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endrin ketone	0.11		0.051	0.0091	ug/L		10/06/17 16:30	10/09/17 16:42	1
gamma-BHC (Lindane)	0.013	J	0.051	0.0085	ug/L		10/06/17 16:30	10/09/17 16:42	1
gamma-Chlordane	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:42	1
Heptachlor	0.051	U	0.051	0.0081	ug/L		10/06/17 16:30	10/09/17 16:42	1
Heptachlor epoxide	0.051	U	0.051	0.0083	ug/L		10/06/17 16:30	10/09/17 16:42	1
Methoxychlor	0.051	U	0.051	0.0095	ug/L		10/06/17 16:30	10/09/17 16:42	1
Toxaphene	5.1	U	5.1	0.19	ug/L		10/06/17 16:30	10/09/17 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		10 - 130				10/06/17 16:30	10/09/17 16:42	1
Tetrachloro-m-xylene	33	X	39 - 130				10/06/17 16:30	10/09/17 16:42	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID: 680-143980-6

Matrix: Water

Date Collected: 10/03/17 11:29 Date Received: 10/05/17 09:05

Client Sample ID: MW-18S

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120			-		10/11/17 18:15	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 18:15	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 18:15	1
4-Bromofluorobenzene (Surr)	94		80 - 120					10/11/17 18:15	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/06/17 16:30	10/09/17 16:58	1
alpha-BHC	0.052	U	0.052	0.0081	ug/L		10/06/17 16:30	10/09/17 16:58	1
alpha-Chlordane	0.052	U	0.052	0.010	ug/L		10/06/17 16:30	10/09/17 16:58	1
beta-BHC	0.052	U	0.052	0.012	ug/L		10/06/17 16:30	10/09/17 16:58	1
4,4'-DDD	0.052	U	0.052	0.0080	ug/L		10/06/17 16:30	10/09/17 16:58	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/06/17 16:30	10/09/17 16:58	1
4,4'-DDT	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:58	1
delta-BHC	0.052	U	0.052	0.013	ug/L		10/06/17 16:30	10/09/17 16:58	1
Dieldrin	0.052	U	0.052	0.0089	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endosulfan I	0.052	U	0.052	0.0085	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endosulfan II	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endosulfan sulfate	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endrin	0.052	U	0.052	0.0091	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endrin ketone	0.018	J	0.052	0.0092	ug/L		10/06/17 16:30	10/09/17 16:58	1
gamma-BHC (Lindane)	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:58	1
gamma-Chlordane	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:58	1
Heptachlor	0.052	U	0.052	0.0082	ug/L		10/06/17 16:30	10/09/17 16:58	1
Heptachlor epoxide	0.052	U	0.052	0.0084	ug/L		10/06/17 16:30	10/09/17 16:58	1
Methoxychlor	0.052	U	0.052	0.0096	ug/L		10/06/17 16:30	10/09/17 16:58	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/06/17 16:30	10/09/17 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		10 - 130				10/06/17 16:30	10/09/17 16:58	1
Tetrachloro-m-xylene	33	X	39 - 130				10/06/17 16:30	10/09/17 16:58	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID: 680-143980-7

Matrix: Water

Date Collecte	d: 10/03/17	7 12:14
Date Received	1. 10/05/17	09-05

Client Sample ID: Dup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120			-		10/11/17 23:55	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131					10/11/17 23:55	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 23:55	1
4-Bromofluorobenzene (Surr)	99		80 - 120					10/11/17 23:55	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		10/06/17 16:30	10/09/17 17:15	1
alpha-BHC	0.015	J p	0.049	0.0077	ug/L		10/06/17 16:30	10/09/17 17:15	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		10/06/17 16:30	10/09/17 17:15	1
beta-BHC	0.95		0.25	0.059	ug/L		10/06/17 16:30	10/09/17 18:58	5
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		10/06/17 16:30	10/09/17 17:15	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		10/06/17 16:30	10/09/17 17:15	1
4,4'-DDT	0.0087	Jр	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:15	1
delta-BHC	0.049	U	0.049	0.013	ug/L		10/06/17 16:30	10/09/17 17:15	1
Dieldrin	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endosulfan I	0.049	U	0.049	0.0081	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endosulfan sulfate	0.049	U	0.049	0.0082	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endrin	0.049	U	0.049	0.0086	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endrin ketone	0.094		0.049	0.0087	ug/L		10/06/17 16:30	10/09/17 17:15	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0082	ug/L		10/06/17 16:30	10/09/17 17:15	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:15	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		10/06/17 16:30	10/09/17 17:15	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		10/06/17 16:30	10/09/17 17:15	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		10/06/17 16:30	10/09/17 17:15	1
Toxaphene	4.9	U	4.9	0.19	ug/L		10/06/17 16:30	10/09/17 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		10 - 130				10/06/17 16:30	10/09/17 17:15	1
Tetrachloro-m-xylene	33	X	39 - 130				10/06/17 16:30	10/09/17 17:15	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52	10 - 130	10/06/17 16:30	10/09/17 17:15	1
Tetrachloro-m-xylene	33 X	39 _ 130	10/06/17 16:30	10/09/17 17:15	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Lab Sample ID: 680-143980-8

Matrix: Water

Date Collected: 10/03/17 10:54 Date Received: 10/05/17 09:05

Client Sample ID: MW-17S

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/12/17 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120			-		10/12/17 00:20	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/12/17 00:20	1
Dibromofluoromethane (Surr)	98		80 - 122					10/12/17 00:20	1
Dibromonacromothano (carr)									

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 17:31	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 17:31	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/06/17 16:30	10/09/17 17:31	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:31	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 17:31	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin ketone	0.047	U	0.047	0.0084	ug/L		10/06/17 16:30	10/09/17 17:31	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:31	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:31	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 17:31	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/06/17 16:30	10/09/17 17:31	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/06/17 16:30	10/09/17 17:31	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		10 - 130				10/06/17 16:30	10/09/17 17:31	1
Tetrachloro-m-xylene	38	X	39 - 130				10/06/17 16:30	10/09/17 17:31	1

TestAmerica Job ID: 680-143980-1

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-498026/8

Matrix: Water

Trichloroethene

Analyte

Client: EnviroTrac, Ltd.

Analysis Batch: 498026

Client Sample ID: Method Blank Prep Type: Total/NA

мв мв RL Result Qualifier MDL Unit D Analyzed Dil Fac Prepared 1.0 U 1.0 0.48 ug/L 10/11/17 10:02

MB MB Surrogate Qualifier Dil Fac %Recovery Limits Prepared Analyzed Toluene-d8 (Surr) 94 80 120 10/11/17 10:02 1,2-Dichloroethane-d4 (Surr) 97 73 - 131 10/11/17 10:02 97 80 - 122 10/11/17 10:02 Dibromofluoromethane (Surr) 4-Bromofluorobenzene (Surr) 93 80 - 120 10/11/17 10:02

Lab Sample ID: LCS 680-498026/3 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 498026

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Trichloroethene 50.0 49.7 80 - 120 ug/L

LCS LCS Surrogate %Recovery Qualifier Limits Toluene-d8 (Surr) 80 - 120 99 1,2-Dichloroethane-d4 (Surr) 94 73 - 131 97 80 - 122 Dibromofluoromethane (Surr) 4-Bromofluorobenzene (Surr) 95 80 - 120

Lab Sample ID: LCSD 680-498026/4

Matrix: Water

Analysis Batch: 498026

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Trichloroethene 50.0 49.7 99 80 - 120 ug/L

LCSD LCSD Surrogate Qualifier Limits %Recovery Toluene-d8 (Surr) 100 80 - 120 1,2-Dichloroethane-d4 (Surr) 96 73 - 131 Dibromofluoromethane (Surr) 97 80 - 122 4-Bromofluorobenzene (Surr) 80 - 120

Lab Sample ID: MB 680-498113/9 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 498113

Analyte	Result Qualifie	r RL	MDL Un	it D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0 U	1.0	0.48 ug	/L		10/11/17 16:27	

	МВ	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		10/11/17 16:27	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		10/11/17 16:27	1
Dibromofluoromethane (Surr)	99		80 - 122		10/11/17 16:27	1
4-Bromofluorobenzene (Surr)	97		80 - 120		10/11/17 16:27	1

TestAmerica Job ID: 680-143980-1

Client: EnviroTrac, Ltd. Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-498113/4	Client Sample ID: Lab Control Sample
Matrix: Water	Prep Type: Total/NA
Analysis Details 400442	

Analysis Batch: 498113

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Trichloroethene	50.0	53.3		ug/L	_	107	80 - 120	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		73 - 131
Dibromofluoromethane (Surr)	103		80 - 122
4-Bromofluorobenzene (Surr)	97		80 - 120

Lab Sample ID: LCSD 680-498113/5 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 498113

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Trichloroethene	 50.0	52.9		ug/L		106	80 - 120	1	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		73 - 131
Dibromofluoromethane (Surr)	100		80 - 122
4-Bromofluorobenzene (Surr)	95		80 - 120

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Lab Sample ID: MB 680-497556/20-A	Client Sample ID: Method Blank
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 497714	Prep Batch: 497556

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.013	U	0.013	0.0018	ug/L		10/06/17 16:30	10/09/17 14:20	1
alpha-BHC	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
alpha-Chlordane	0.013	U	0.013	0.0025	ug/L		10/06/17 16:30	10/09/17 14:20	1
beta-BHC	0.013	U	0.013	0.0030	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDD	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDE	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDT	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
delta-BHC	0.013	U	0.013	0.0033	ug/L		10/06/17 16:30	10/09/17 14:20	1
Dieldrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan I	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan II	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan sulfate	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin aldehyde	0.013	U	0.013	0.0043	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin ketone	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-BHC (Lindane)	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-Chlordane	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1

TestAmerica Job ID: 680-143980-1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: MB 680-497556/20-A

Matrix: Water

Analysis Batch: 497714

CI	ient	Samp	le l	ID:	Method	Blank
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Prep Type: Total/NA

Prep Batch: 497556

Alialysis Dalcii. 4311 14								FIED Dateil.	491330
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Methoxychlor	0.013	U	0.013	0.0023	ug/L		10/06/17 16:30	10/09/17 14:20	1
Toxaphene	1.3	U	1.3	0.048	ug/L		10/06/17 16:30	10/09/17 14:20	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39	p	10 - 130				10/06/17 16:30	10/09/17 14:20	1
Tetrachloro-m-xylene	54		39 - 130				10/06/17 16:30	10/09/17 14:20	1

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497556

•	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aldrin	0.0250	0.0148	-	ug/L		59	48 - 130	
alpha-BHC	0.0250	0.0177		ug/L		71	45 - 130	
alpha-Chlordane	0.0250	0.0169		ug/L		68	60 - 130	
beta-BHC	0.0250	0.0178		ug/L		71	50 - 130	
4,4'-DDD	0.0250	0.0180		ug/L		72	52 - 130	
4,4'-DDE	0.0250	0.0156		ug/L		62	48 - 130	
4,4'-DDT	0.0250	0.0165		ug/L		66	59 - 130	
delta-BHC	0.0250	0.0182		ug/L		73	47 - 140	
Dieldrin	0.0250	0.0175		ug/L		70	55 - 130	
Endosulfan I	0.0250	0.0155		ug/L		62	27 - 130	
Endosulfan II	0.0250	0.0164		ug/L		66	39 - 130	
Endosulfan sulfate	0.0250	0.0176		ug/L		70	57 - 130	
Endrin	0.0250	0.0172		ug/L		69	62 - 131	
Endrin aldehyde	0.0250	0.0177		ug/L		71	39 - 177	
Endrin ketone	0.0250	0.0201		ug/L		80	47 - 130	
gamma-BHC (Lindane)	0.0250	0.0177		ug/L		71	47 - 130	
gamma-Chlordane	0.0250	0.0166		ug/L		66	50 - 145	
Heptachlor	0.0250	0.0142		ug/L		57	49 - 130	
Heptachlor epoxide	0.0250	0.0174		ug/L		70	54 - 130	
Methoxychlor	0.0250	0.0181		ug/L		72	53 ₋ 130	

LCS LCS

Surrogate	%Recovery Qualifie	er Limits
DCB Decachlorobiphenyl	61	10 - 130
Tetrachloro-m-xylene	48	39 - 130

Lab Sample ID: LCSD 680-497556/22-A

Matrix: Water

Analysis Batch: 497714

Client	Sample	ID:	Lab	Control	Samp	le Dup
--------	--------	-----	-----	---------	------	--------

Prep Type: Total/NA

Prep Batch: 497556

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aldrin	0.0250	0.0156		ug/L		63	48 - 130	5	40
alpha-BHC	0.0250	0.0186		ug/L		74	45 - 130	5	30
alpha-Chlordane	0.0250	0.0181		ug/L		72	60 - 130	7	50

QC Sample Results

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: LCSD 680-497556/22-A **Matrix: Water**

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 497714							Prep I	Batch: 4	97556
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
beta-BHC	0.0250	0.0186		ug/L		74	50 - 130	4	40
4,4'-DDD	0.0250	0.0184		ug/L		74	52 - 130	3	40
4,4'-DDE	0.0250	0.0166		ug/L		66	48 - 130	6	30
4,4'-DDT	0.0250	0.0170		ug/L		68	59 - 130	3	40
delta-BHC	0.0250	0.0191		ug/L		76	47 - 140	5	30
Dieldrin	0.0250	0.0182		ug/L		73	55 - 130	4	30
Endosulfan I	0.0250	0.0165		ug/L		66	27 - 130	6	30
Endosulfan II	0.0250	0.0167		ug/L		67	39 - 130	2	30
Endosulfan sulfate	0.0250	0.0178		ug/L		71	57 - 130	1	40
Endrin	0.0250	0.0175		ug/L		70	62 - 131	2	30
Endrin aldehyde	0.0250	0.0181		ug/L		72	39 - 177	2	40
Endrin ketone	0.0250	0.0206		ug/L		83	47 - 130	3	40
gamma-BHC (Lindane)	0.0250	0.0186		ug/L		74	47 - 130	5	30
gamma-Chlordane	0.0250	0.0176		ug/L		71	50 - 145	6	50
Heptachlor	0.0250	0.0146		ug/L		58	49 - 130	3	30
Heptachlor epoxide	0.0250	0.0183		ug/L		73	54 - 130	5	40
Methoxychlor	0.0250	0.0183		ug/L		73	53 - 130	1	40

Surrogate	%Recovery Qualifier	Limits
DCB Decachlorobiphenyl	57	10 - 130
Tetrachloro-m-vylene	50	30 130

QC Association Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

GC/MS VOA

Analysis Batch: 498026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-3	MW-10S	Total/NA	Water	8260B	
680-143980-4	MW-30D	Total/NA	Water	8260B	
680-143980-5	MW-11D	Total/NA	Water	8260B	
680-143980-6	MW-18S	Total/NA	Water	8260B	
MB 680-498026/8	Method Blank	Total/NA	Water	8260B	
LCS 680-498026/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498026/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 498113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-7	Dup	Total/NA	Water	8260B	
680-143980-8	MW-17S	Total/NA	Water	8260B	
MB 680-498113/9	Method Blank	Total/NA	Water	8260B	
LCS 680-498113/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498113/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 497556

10p = 410 101.000					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-1	MW-4S	Total/NA	Water	3520C	
680-143980-2	MW-5S	Total/NA	Water	3520C	
680-143980-3	MW-10S	Total/NA	Water	3520C	
680-143980-4	MW-30D	Total/NA	Water	3520C	
680-143980-5	MW-11D	Total/NA	Water	3520C	
680-143980-6	MW-18S	Total/NA	Water	3520C	
680-143980-7	Dup	Total/NA	Water	3520C	
680-143980-8	MW-17S	Total/NA	Water	3520C	
MB 680-497556/20-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 497714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-1	MW-4S	Total/NA	Water	8081B/8082A	497556
680-143980-2	MW-5S	Total/NA	Water	8081B/8082A	497556
680-143980-3	MW-10S	Total/NA	Water	8081B/8082A	497556
MB 680-497556/20-A	Method Blank	Total/NA	Water	8081B/8082A	497556
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497556
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497556

Analysis Batch: 497723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-2	MW-5S	Total/NA	Water	8081B/8082A	497556
680-143980-4	MW-30D	Total/NA	Water	8081B/8082A	497556
680-143980-4	MW-30D	Total/NA	Water	8081B/8082A	497556
680-143980-5	MW-11D	Total/NA	Water	8081B/8082A	497556
680-143980-5	MW-11D	Total/NA	Water	8081B/8082A	497556
680-143980-6	MW-18S	Total/NA	Water	8081B/8082A	497556
680-143980-7	Dup	Total/NA	Water	8081B/8082A	497556

TestAmerica Savannah

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QC Association Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

GC Semi VOA (Continued)

Analysis Batch: 497723 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-7	Dup	Total/NA	Water	8081B/8082A	497556
680-143980-8	MW-17S	Total/NA	Water	8081B/8082A	497556

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Client Sample ID: MW-4S

Lab Sample ID: 680-143980-1

Matrix: Water

Date Collected: 10/03/17 16:06 Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 16:05	JCK	TAL SAV

Lab Sample ID: 680-143980-2

Matrix: Water

Date Collected: 10/03/17 14:57 Date Received: 10/05/17 09:05

Client Sample ID: MW-5S

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 16:19	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 18:08	JCK	TAL SAV

Client Sample ID: MW-10S Lab Sample ID: 680-143980-3 Date Collected: 10/03/17 14:01

Matrix: Water

Matrix: Water

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 17:06	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 16:33	JCK	TAL SAV

Client Sample ID: MW-30D Lab Sample ID: 680-143980-4

Date Collected: 10/03/17 13:12

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 17:29	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497723	10/09/17 16:25	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 18:25	JCK	TAL SAV

Client Sample ID: MW-11D Lab Sample ID: 680-143980-5

Date Collected: 10/03/17 12:12 Matrix: Water

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 17:52	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497723	10/09/17 16:42	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Client Sample ID: MW-11D

Lab Sample ID: 680-143980-5

Matrix: Water

Date Collected: 10/03/17 12:12 Date Received: 10/05/17 09:05

Client Sample ID: MW-18S

Date Collected: 10/03/17 11:29

Date Received: 10/05/17 09:05

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 18:41	JCK	TAL SAV

Lab Sample ID: 680-143980-6

Matrix: Water

Batch Dilution Batch Prepared Method Number Prep Type Туре Run Factor or Analyzed Analyst Lab Total/NA Analysis 8260B 498026 10/11/17 18:15 UI TAL SAV Total/NA 3520C 497556 10/06/17 16:30 CEW TAL SAV Prep Total/NA Analysis 8081B/8082A 497723 10/09/17 16:58 JCK TAL SAV

Client Sample ID: Dup Lab Sample ID: 680-143980-7

Date Collected: 10/03/17 12:14

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Method Factor Number or Analyzed Analyst Туре Run Lab Total/NA Analysis 8260B 498113 10/11/17 23:55 CMB TAL SAV Total/NA Prep 3520C 497556 10/06/17 16:30 CEW TAL SAV Total/NA JCK Analysis 8081B/8082A 1 497723 10/09/17 17:15 TAL SAV Total/NA Prep 3520C 497556 10/06/17 16:30 CEW TAL SAV TAL SAV Total/NA Analysis 8081B/8082A 5 497723 10/09/17 18:58 **JCK**

Client Sample ID: MW-17S Lab Sample ID: 680-143980-8

Date Collected: 10/03/17 10:54 Matrix: Water

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			498113	10/12/17 00:20	CMB	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497723	10/09/17 17:31	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143980-1

Laboratory: TestAmerica Savannah

Project/Site: Geigy Chemical Corp. / 11.990010.00

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
lowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program		13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program		TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
		2		
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program State Program	5	999819810 8TMS-L	08-31-18

^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

5102 LaRoche Avenue Savannah, GA 31404

Chain of Custody Record



Phone (912) 354-7858 Fax (912) 352-0165													THE LEADER IN ENVI	RONMENTAL TESTING
Client Information Client Contact:	Sampler:	0.012	Blance	Lab I Ken	PM: sey, Mi	ichele	R			Carrier Tra	cking No(s):		COC No: 680-86756-35154.	3
Client Contact: Chris Hay	Phone: 336 76		_	,E-Ma		oreoví	ntecta	mericai	oc com	1			Page: Page 3 of 7	
Company: EnviroTrac, Ltd.	(330) 16.	3 600	7)	111101	I	313036	20310			au acted			Job #:	
Address:	Due Date Request	ted:					П	I	nalysis Re	questeu			Preservation Codes	· · · · · · · · · · · · · · · · · · ·
7343 W. Friendly Avenue Suite J City:	TAT Requested (d	lava).								!			A-HCL N	/ - Hexane
Greensboro			*			ь.								l - None) - AsNaO2
State, Zip: NC, 27410		Stare	R		Ш								E - NaHSO4	2 - Na2O4S 2 - Na2SO3 3 - Na2S2O3
Phone: (356) 763 -6025 Email:	PO #: REGS0004 WO #:				3	Pesticides							G - Amchlor S H - Ascorbic Acid T	S - H2SO4 T - TSP Dodecahydrate
christopherh@envirotrac.com	WO#:				10 N	e e							J - DI Water \	J - Acetone / - MCAA
Project Name: Geigy Chemical Corp.	Project #: 68006251				3	Routine	Sublist							V - pH 4-5 Z - other (specify)
Geigy Chemical Corp. Site: 11.9900 10.80	SSOW#:				Solve	(MOD)	TCL Sub	Method				and the state of t		
l			Sample	Matrix	tered W.S.M.	8082A -	(GOM)	Local Me				1		
		Sample	Type (C≒comp,	N=water, S=aolic O=waste/oil,	4 로 F	8		160.2 - L				March 1		
Sample Identification	Sample Date	Time	G=grab)	T=Theaue, A=Air	1	8087B	-		' '	\ _		1	Special Inst	ructions/Note:
			Preservat		XX	N	A	N		<u> </u>		+ 2		
mw-45	10/3/7	16:06	Gr	Water	11	X		_		<u> </u>				
mw-55		14'57		Water	Ш	X								
mw-10s		14:01		Water		X	X			8				
mw-30b		13:12		Water		X	X			Custody				AC
mu-11 D		12:12		Water	Ш	X	X			5		U	53	BE
MW-185		11:29		Water		X	メ			Chado	$\setminus \Box \Box$	i i	60	!</td
		12:14		Water	Ш	X	K			3980		- 0	82	Ę
MW-175 BP10-6-17	10-3-11	1054		Water	П	X							-	ENDE
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				Water	Τľ						, , 🕇			>
				Water	П		П							
Possible Hazard Identification			·		S	ample	Disp	osal (A				are retai	ined longer than 1 n	nonth)
Non-Hazard Flammable Skin Irritant Poison Deliverable Requested: I, II, III, IV, Other (specify)	on B Unkn	own F	Radiological					To Clier		Disposal E	By Lab	Arc	hive For	_ Months
							ınstru	ctions/C	C Requirem					
Empty Kit Relinquished by:	In	Date:	,		Time					Meth	od of Shipmer			
Relinquished by: CM + tay	Date/Time:	7 18	630 G	Company (1)	1051	O C	eived by	-	रवेड्ड		Date/Ti	me:		Сотрапу
Relinquished by:	Date/Time:			ompany		Reci	eived by	noo	1,667)	PACI	Date/Ti	5/12	MADT	Company /
Relinquished by:	Date/Time:			Company		Regi	elved by			JV	Date/Ti			Company
Custody Seals Intact: Custody Seal No.:						Coo	ler Tem	perature(s	C and Other	Remarks:	10+0	1):	1.4/1.5/4	C/21













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Client: EnviroTrac, Ltd.

Job Number: 680-143980-1

Login Number: 143980 List Source: TestAmerica Savannah

List Number: 1

Creator: Edwards, Jessica R

Ciedioi. Euwaius, Jessica N		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-143982-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd. 7343 W. Friendly Avenue Suite J Greensboro, North Carolina 27410

Attn: Chris Hay

Michele RKuszy

Authorized for release by: 10/16/2017 10:32:19 AM

Michele Kersey, Project Manager II (912)354-7858

michele.kersey@testamericainc.com

·····LINKS ·······

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Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Job ID: 680-143982-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-143982-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/5/2017 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.5° C, 3.4° C, 4.0° C and 4.1° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample MW-16S (680-143982-1) was analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/15/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples MW-16S (680-143982-1), MW-22D (680-143982-2), MW-22L (680-143982-3), MW-20D (680-143982-4), MW-23D (680-143982-5), MW-38L (680-143982-6) and MW-31L (680-143982-7) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B 8082A. The samples were prepared on 10/06/2017 and analyzed on 10/09/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497556.

The following samples contained an allowable number of surrogate compounds outside limits: MW-16S (680-143982-1), MW-22D (680-143982-2), MW-22L (680-143982-3), MW-23D (680-143982-5) and MW-31L (680-143982-7). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those descrivbed above or in the Definitions/Glossary page.

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Sample Summary

 $Client: EnviroTrac, \, Ltd.$

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-143982-1	MW-16S	Water	10/03/17 10:22	10/05/17 09:05
680-143982-2	MW-22D	Water	10/03/17 12:04	10/05/17 09:05
680-143982-3	MW-22L	Water	10/03/17 13:13	10/05/17 09:05
680-143982-4	MW-20D	Water	10/03/17 14:32	10/05/17 09:05
680-143982-5	MW-23D	Water	10/03/17 15:38	10/05/17 09:05
680-143982-6	MW-38L	Water	10/03/17 16:18	10/05/17 09:05
680-143982-7	MW-31L	Water	10/03/17 16:54	10/05/17 09:05

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Method Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

_td. TestAmerica Job ID: 680-143982-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
р	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

DL, RA, RE, IN

DLC

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Decision Level Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Lab Sample ID: 680-143982-1

Matrix: Water

Client Sample ID: MW-16S Date Collected: 10/03/17 10:22

Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/15/17 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120			-		10/15/17 19:58	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131					10/15/17 19:58	1
Dibromofluoromethane (Surr)	99		80 - 122					10/15/17 19:58	1
4-Bromofluorobenzene (Surr)	100		80 - 120					10/15/17 19:58	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		10/06/17 16:30	10/09/17 16:48	1
alpha-BHC	0.048	U	0.048	0.0074	ug/L		10/06/17 16:30	10/09/17 16:48	1
alpha-Chlordane	0.048	U	0.048	0.0095	ug/L		10/06/17 16:30	10/09/17 16:48	1
beta-BHC	0.048	U	0.048	0.011	ug/L		10/06/17 16:30	10/09/17 16:48	1
4,4'-DDD	0.048	U	0.048	0.0073	ug/L		10/06/17 16:30	10/09/17 16:48	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		10/06/17 16:30	10/09/17 16:48	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 16:48	1
delta-BHC	0.048	U	0.048	0.012	ug/L		10/06/17 16:30	10/09/17 16:48	1
Dieldrin	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endosulfan I	0.048	U	0.048	0.0078	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endrin ketone	0.048	U	0.048	0.0085	ug/L		10/06/17 16:30	10/09/17 16:48	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 16:48	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 16:48	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		10/06/17 16:30	10/09/17 16:48	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		10/06/17 16:30	10/09/17 16:48	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		10/06/17 16:30	10/09/17 16:48	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/06/17 16:30	10/09/17 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		10 - 130				10/06/17 16:30	10/09/17 16:48	1
Tetrachloro-m-xylene	35	X	39 - 130				10/06/17 16:30	10/09/17 16:48	1

Client: EnviroTrac, Ltd.

Endrin ketone

Heptachlor

Methoxychlor

Toxaphene

gamma-BHC (Lindane)

gamma-Chlordane

Heptachlor epoxide

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Lab Sample ID: 680-143982-2

10/09/17 17:02

10/09/17 17:02

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10/09/17 17:02

10/09/17 17:02

10/09/17 17:02

10/09/17 17:02

10/06/17 16:30

10/06/17 16:30

10/06/17 16:30

10/06/17 16:30

10/06/17 16:30

10/06/17 16:30

10/06/17 16:30

Matrix: Water

Client Sample ID: MW-22D Date Collected: 10/03/17 12:04

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Aldrin 0.049 U 0.049 0.0071 ug/L 10/06/17 16:30 10/09/17 17:02 0.049 U alpha-BHC 0.049 0.0076 ug/L 10/06/17 16:30 10/09/17 17:02 alpha-Chlordane 0.049 U 0.049 0.0098 ug/L 10/06/17 16:30 10/09/17 17:02 beta-BHC 0.057 0.049 0.012 ug/L 10/06/17 16:30 10/09/17 17:02 4,4'-DDD 0.049 U 0.049 0.0075 ug/L 10/06/17 16:30 10/09/17 17:02 4,4'-DDE 0.049 U 0.049 0.0072 ug/L 10/06/17 16:30 10/09/17 17:02 4,4'-DDT 0.049 U 0.049 0.0083 ug/L 10/06/17 16:30 10/09/17 17:02 0.049 0.013 ug/L 10/06/17 16:30 10/09/17 17:02 delta-BHC 0.024 J Dieldrin 0.049 U 0.049 0.0084 ug/L 10/06/17 16:30 10/09/17 17:02 Endosulfan I 0.049 U 0.049 0.0080 ug/L 10/06/17 16:30 10/09/17 17:02 Endosulfan II 0.049 U 0.049 0.0083 ug/L 10/06/17 16:30 10/09/17 17:02 Endosulfan sulfate 0.049 U 0.049 0.0081 ug/L 10/06/17 16:30 10/09/17 17:02 Endrin 0.049 U 0.049 0.0086 ug/L 10/06/17 16:30 10/09/17 17:02 Endrin aldehyde 0.049 U 0.049 0.017 ug/L 10/06/17 16:30 10/09/17 17:02

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53	10 - 130	10/06/17 16:30	10/09/17 17:02	1
Tetrachloro-m-xylene	34 X	39 - 130	10/06/17 16:30	10/09/17 17:02	1

0.049

0.049

0.049

0.049

0.049

0.049

4.9

0.0087 ug/L

0.0081 ug/L

0.0083 ug/L

0.0077 ug/L

0.0079 ug/L

0.0091 ug/L

0.19 ug/L

0.049 U

0.049 U

0.049 U

0.049 U

0.049 U

0.049 U

4.9 U

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Lab Sample ID: 680-143982-3

Matrix: Water

Client Sample ID: MW-22L Date Collected: 10/03/17 13:13

Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0071	ug/L		10/06/17 16:30	10/09/17 17:16	1
alpha-BHC	0.13		0.048	0.0075	ug/L		10/06/17 16:30	10/09/17 17:16	1
alpha-Chlordane	0.048	U	0.048	0.0097	ug/L		10/06/17 16:30	10/09/17 17:16	1
beta-BHC	0.47		0.048	0.012	ug/L		10/06/17 16:30	10/09/17 17:16	1
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		10/06/17 16:30	10/09/17 17:16	1
4,4'-DDE	0.048	U	0.048	0.0072	ug/L		10/06/17 16:30	10/09/17 17:16	1
4,4'-DDT	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 17:16	1
delta-BHC	0.34		0.048	0.013	ug/L		10/06/17 16:30	10/09/17 17:16	1
Dieldrin	0.063		0.048	0.0083	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endosulfan I	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endosulfan II	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endosulfan sulfate	0.048	U	0.048	0.0080	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endrin	0.048	U	0.048	0.0085	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endrin ketone	0.053		0.048	0.0086	ug/L		10/06/17 16:30	10/09/17 17:16	1
gamma-BHC (Lindane)	0.092		0.048	0.0080	ug/L		10/06/17 16:30	10/09/17 17:16	1
gamma-Chlordane	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 17:16	1
Heptachlor	0.048	U	0.048	0.0076	ug/L		10/06/17 16:30	10/09/17 17:16	1
Heptachlor epoxide	0.048	U	0.048	0.0078	ug/L		10/06/17 16:30	10/09/17 17:16	1
Methoxychlor	0.048	U	0.048	0.0090	ug/L		10/06/17 16:30	10/09/17 17:16	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/06/17 16:30	10/09/17 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	37	p	10 - 130				10/06/17 16:30	10/09/17 17:16	1
Tetrachloro-m-xylene	37	X	39 - 130				10/06/17 16:30	10/09/17 17:16	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Lab Sample ID: 680-143982-4

Client Sample ID: MW-20D Date Collected: 10/03/17 14:32

Date Received: 10/05/17 09:05

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		10/06/17 16:30	10/09/17 17:31	1
alpha-BHC	0.049	U	0.049	0.0077	ug/L		10/06/17 16:30	10/09/17 17:31	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		10/06/17 16:30	10/09/17 17:31	1
beta-BHC	0.049	U	0.049	0.012	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDT	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:31	1
delta-BHC	0.049	U	0.049	0.013	ug/L		10/06/17 16:30	10/09/17 17:31	1
Dieldrin	0.049	U	0.049	0.0085	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan I	0.049	U	0.049	0.0081	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan II	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan sulfate	0.049	U	0.049	0.0082	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin	0.049	U	0.049	0.0087	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin ketone	0.049	U	0.049	0.0088	ug/L		10/06/17 16:30	10/09/17 17:31	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0082	ug/L		10/06/17 16:30	10/09/17 17:31	1
gamma-Chlordane	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:31	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		10/06/17 16:30	10/09/17 17:31	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		10/06/17 16:30	10/09/17 17:31	1
Methoxychlor	0.049	U	0.049	0.0092	ug/L		10/06/17 16:30	10/09/17 17:31	1
Toxaphene	4.9	U	4.9	0.19	ug/L		10/06/17 16:30	10/09/17 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 130				10/06/17 16:30	10/09/17 17:31	1
Tetrachloro-m-xylene	41		39 - 130				10/06/17 16:30	10/09/17 17:31	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Lab Sample ID: 680-143982-5

Matrix: Water

Client Sample ID: MW-23D
Date Collected: 10/03/17 15:38
Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 17:45	1
alpha-BHC	0.022	J	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 17:45	1
alpha-Chlordane	0.047	U	0.047	0.0095	ug/L		10/06/17 16:30	10/09/17 17:45	1
beta-BHC	0.015	Jр	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 17:45	1
4,4'-DDD	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 17:45	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/06/17 16:30	10/09/17 17:45	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:45	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 17:45	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endosulfan I	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endrin ketone	0.047	U	0.047	0.0084	ug/L		10/06/17 16:30	10/09/17 17:45	1
gamma-BHC (Lindane)	0.014	J	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:45	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:45	1
Heptachlor	0.047	U	0.047	0.0075	ug/L		10/06/17 16:30	10/09/17 17:45	1
Heptachlor epoxide	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 17:45	1
Methoxychlor	0.047	U	0.047	0.0088	ug/L		10/06/17 16:30	10/09/17 17:45	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 130				10/06/17 16:30	10/09/17 17:45	1
Tetrachloro-m-xylene	38	X	39 - 130				10/06/17 16:30	10/09/17 17:45	1

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Client: EnviroTrac, Ltd.

Tetrachloro-m-xylene

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Lab Sample ID: 680-143982-6

10/06/17 16:30 10/09/17 18:00

Matrix: Water

Client Sample ID: MW-38L Date Collected: 10/03/17 16:18 Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 18:00	1
alpha-BHC	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 18:00	1
alpha-Chlordane	0.047	U	0.047	0.0095	ug/L		10/06/17 16:30	10/09/17 18:00	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 18:00	1
4,4'-DDD	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 18:00	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/06/17 16:30	10/09/17 18:00	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 18:00	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 18:00	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endosulfan I	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endrin ketone	0.047	U	0.047	0.0084	ug/L		10/06/17 16:30	10/09/17 18:00	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 18:00	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 18:00	1
Heptachlor	0.047	U	0.047	0.0075	ug/L		10/06/17 16:30	10/09/17 18:00	1
Heptachlor epoxide	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 18:00	1
Methoxychlor	0.047	U	0.047	0.0088	ug/L		10/06/17 16:30	10/09/17 18:00	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl			10 - 130				10/06/17 16:30	10/09/17 18:00	

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Lab Sample ID: 680-143982-7

Matrix: Water

Client Sample ID: MW-31L Date Collected: 10/03/17 16:54

Date Received: 10/05/17 09:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		10/06/17 16:30	10/09/17 18:14	1
alpha-BHC	0.24		0.050	0.0078	ug/L		10/06/17 16:30	10/09/17 18:14	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		10/06/17 16:30	10/09/17 18:14	1
beta-BHC	0.47		0.050	0.012	ug/L		10/06/17 16:30	10/09/17 18:14	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		10/06/17 16:30	10/09/17 18:14	1
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		10/06/17 16:30	10/09/17 18:14	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		10/06/17 16:30	10/09/17 18:14	1
delta-BHC	0.62		0.050	0.013	ug/L		10/06/17 16:30	10/09/17 18:14	1
Dieldrin	0.017	J	0.050	0.0086	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endrin	0.050	U	0.050	0.0088	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endrin ketone	0.045	J	0.050	0.0089	ug/L		10/06/17 16:30	10/09/17 18:14	1
gamma-BHC (Lindane)	0.054		0.050	0.0083	ug/L		10/06/17 16:30	10/09/17 18:14	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		10/06/17 16:30	10/09/17 18:14	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		10/06/17 16:30	10/09/17 18:14	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		10/06/17 16:30	10/09/17 18:14	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		10/06/17 16:30	10/09/17 18:14	1
Toxaphene	5.0	U	5.0	0.19	ug/L		10/06/17 16:30	10/09/17 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 130				10/06/17 16:30	10/09/17 18:14	1
Tetrachloro-m-xylene	37	X	39 - 130				10/06/17 16:30	10/09/17 18:14	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-498563/9 Matrix: Water

Analysis Batch: 498563

Analyte

Trichloroethene

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Type: Total/NA

 MB
 MB

 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 1.0
 U
 1.0
 0.48
 ug/L
 10/15/17 16:16
 1

MB MB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed Toluene-d8 (Surr) 99 80 120 10/15/17 16:16 1,2-Dichloroethane-d4 (Surr) 86 73 - 131 10/15/17 16:16 Dibromofluoromethane (Surr) 97 80 - 122 10/15/17 16:16 4-Bromofluorobenzene (Surr) 98 80 - 120 10/15/17 16:16

Lab Sample ID: LCS 680-498563/3 Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 498563

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Trichloroethene 50.0 104 51.8 ug/L 80 - 120

LCS LCS Surrogate %Recovery Qualifier Limits Toluene-d8 (Surr) 80 - 120 99 1,2-Dichloroethane-d4 (Surr) 89 73 - 131 99 80 - 122 Dibromofluoromethane (Surr) 4-Bromofluorobenzene (Surr) 95 80 - 120

Lab Sample ID: LCSD 680-498563/4

Client Sample ID: Lab Control Sample Dup
Matrix: Water

Prep Type: Total/NA

Analysis Batch: 498563

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 52.2 104 Trichloroethene 50.0 ug/L 80 - 120 20

LCSD LCSD Qualifier Limits Surrogate %Recovery Toluene-d8 (Surr) 101 80 - 120 1,2-Dichloroethane-d4 (Surr) 91 73 - 131 Dibromofluoromethane (Surr) 99 80 - 122 4-Bromofluorobenzene (Surr) 93 80 - 120

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Lab Sample ID: MB 680-497556/20-A Client Sample ID: Method Blank
Matrix: Water Prep Type: Total/NA

Analysis Batch: 497714 Prep Batch: 497556

MB MB RL MDL Unit Dil Fac Analyte Result Qualifier D Prepared Analyzed Aldrin 0.013 U 0.013 0.0018 ug/L 10/06/17 16:30 10/09/17 14:20 alpha-BHC 0.013 U 0.013 10/06/17 16:30 10/09/17 14:20 0.0020 ug/L alpha-Chlordane 0.013 U 0.013 0.0025 ug/L 10/06/17 16:30 10/09/17 14:20 beta-BHC 0.013 U 0.013 0.0030 ug/L 10/06/17 16:30 10/09/17 14:20 4,4'-DDD 0.013 U 0.013 0.0019 ug/L 10/06/17 16:30 10/09/17 14:20

TestAmerica Job ID: 680-143982-1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

MR MR

Lab Sample ID: MB 680-497556/20-A **Matrix: Water**

Analysis Batch: 497714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497556

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDT	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
delta-BHC	0.013	U	0.013	0.0033	ug/L		10/06/17 16:30	10/09/17 14:20	1
Dieldrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan I	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan II	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan sulfate	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin aldehyde	0.013	U	0.013	0.0043	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin ketone	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-BHC (Lindane)	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-Chlordane	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor epoxide	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Methoxychlor	0.013	U	0.013	0.0023	ug/L		10/06/17 16:30	10/09/17 14:20	1
Toxaphene	1.3	U	1.3	0.048	ug/L		10/06/17 16:30	10/09/17 14:20	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39	p	10 - 130	10/06/17 16:30	10/09/17 14:20	1
Tetrachloro-m-xylene	54		39 - 130	10/06/17 16:30	10/09/17 14:20	1

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 497556

Analysis Batch: 497714	0-11		LCS				Prep Batch: 4	19/556
	Spike						%Rec.	
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	
Aldrin	0.0250	0.0148		ug/L		59	48 - 130	
alpha-BHC	0.0250	0.0177		ug/L		71	45 - 130	
alpha-Chlordane	0.0250	0.0169		ug/L		68	60 - 130	
beta-BHC	0.0250	0.0178		ug/L		71	50 - 130	
4,4'-DDD	0.0250	0.0180		ug/L		72	52 - 130	
4,4'-DDE	0.0250	0.0156		ug/L		62	48 - 130	
4,4'-DDT	0.0250	0.0165		ug/L		66	59 - 130	
delta-BHC	0.0250	0.0182		ug/L		73	47 - 140	
Dieldrin	0.0250	0.0175		ug/L		70	55 - 130	
Endosulfan I	0.0250	0.0155		ug/L		62	27 - 130	
Endosulfan II	0.0250	0.0164		ug/L		66	39 - 130	
Endosulfan sulfate	0.0250	0.0176		ug/L		70	57 - 130	
Endrin	0.0250	0.0172		ug/L		69	62 _ 131	
Endrin aldehyde	0.0250	0.0177		ug/L		71	39 - 177	
Endrin ketone	0.0250	0.0201		ug/L		80	47 - 130	
gamma-BHC (Lindane)	0.0250	0.0177		ug/L		71	47 - 130	
gamma-Chlordane	0.0250	0.0166		ug/L		66	50 - 145	
Heptachlor	0.0250	0.0142		ug/L		57	49 - 130	
Heptachlor epoxide	0.0250	0.0174		ug/L		70	54 - 130	
Methoxychlor	0.0250	0.0181		ug/L		72	53 - 130	

QC Sample Results

10 - 130

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497556

	LCS	LCS	
Surrogate	%Recovery	Qualifier	
DCB Decachlorobiphenyl	61		

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Lab Sample ID: LCSD 680-497556/22-A

Matrix: Water

Tetrachloro-m-xylene

Analysis Batch: 497714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497556

Analysis Batch: 49//14						Prep Batch:		19/556	
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aldrin	0.0250	0.0156		ug/L		63	48 - 130	5	40
alpha-BHC	0.0250	0.0186		ug/L		74	45 - 130	5	30
alpha-Chlordane	0.0250	0.0181		ug/L		72	60 - 130	7	50
beta-BHC	0.0250	0.0186		ug/L		74	50 - 130	4	40
4,4'-DDD	0.0250	0.0184		ug/L		74	52 - 130	3	40
4,4'-DDE	0.0250	0.0166		ug/L		66	48 - 130	6	30
4,4'-DDT	0.0250	0.0170		ug/L		68	59 - 130	3	40
delta-BHC	0.0250	0.0191		ug/L		76	47 - 140	5	30
Dieldrin	0.0250	0.0182		ug/L		73	55 - 130	4	30
Endosulfan I	0.0250	0.0165		ug/L		66	27 - 130	6	30
Endosulfan II	0.0250	0.0167		ug/L		67	39 - 130	2	30
Endosulfan sulfate	0.0250	0.0178		ug/L		71	57 - 130	1	40
Endrin	0.0250	0.0175		ug/L		70	62 - 131	2	30
Endrin aldehyde	0.0250	0.0181		ug/L		72	39 - 177	2	40
Endrin ketone	0.0250	0.0206		ug/L		83	47 - 130	3	40
gamma-BHC (Lindane)	0.0250	0.0186		ug/L		74	47 - 130	5	30
gamma-Chlordane	0.0250	0.0176		ug/L		71	50 - 145	6	50
Heptachlor	0.0250	0.0146		ug/L		58	49 - 130	3	30
Heptachlor epoxide	0.0250	0.0183		ug/L		73	54 - 130	5	40
Methoxychlor	0.0250	0.0183		ug/L		73	53 ₋ 130	1	40

LCSD	LCSD
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Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	57		10 - 130
Tetrachloro-m-xvlene	50		39 - 130

QC Association Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

GC/MS VOA

Analysis Batch: 498563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143982-1	MW-16S	Total/NA	Water	8260B	
MB 680-498563/9	Method Blank	Total/NA	Water	8260B	
LCS 680-498563/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498563/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 497556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143982-1	MW-16S	Total/NA	Water	3520C	
680-143982-2	MW-22D	Total/NA	Water	3520C	
680-143982-3	MW-22L	Total/NA	Water	3520C	
680-143982-4	MW-20D	Total/NA	Water	3520C	
680-143982-5	MW-23D	Total/NA	Water	3520C	
680-143982-6	MW-38L	Total/NA	Water	3520C	
680-143982-7	MW-31L	Total/NA	Water	3520C	
MB 680-497556/20-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-497556/22-A	Lab Control Sample Dup	i otai/NA	vvater	3520C	

Analysis Batch: 497714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143982-1	MW-16S	Total/NA	Water	8081B/8082A	497556
680-143982-2	MW-22D	Total/NA	Water	8081B/8082A	497556
680-143982-3	MW-22L	Total/NA	Water	8081B/8082A	497556
680-143982-4	MW-20D	Total/NA	Water	8081B/8082A	497556
680-143982-5	MW-23D	Total/NA	Water	8081B/8082A	497556
680-143982-6	MW-38L	Total/NA	Water	8081B/8082A	497556
680-143982-7	MW-31L	Total/NA	Water	8081B/8082A	497556
MB 680-497556/20-A	Method Blank	Total/NA	Water	8081B/8082A	497556
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497556
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497556

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Client Sample ID: MW-16S

Lab Sample ID: 680-143982-1

Matrix: Water

Matrix: Water

Matrix: Water

Date Collected: 10/03/17 10:22 Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498563	10/15/17 19:58	CMB	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 16:48	JCK	TAL SAV

Client Sample ID: MW-22D Lab Sample ID: 680-143982-2

Date Collected: 10/03/17 12:04 Matrix: Water

Date Received: 10/05/17 09:05

Batch Batch Dilution Batch Prepared Prep Type Method Factor Number or Analyzed Type Run Analyst Lab Total/NA Prep 3520C 497556 10/06/17 16:30 CEW TAL SAV TAL SAV Total/NA Analysis 8081B/8082A 497714 10/09/17 17:02 JCK 1

Lab Sample ID: 680-143982-3 Client Sample ID: MW-22L

Date Collected: 10/03/17 13:13

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 17:16	JCK	TAL SAV

Client Sample ID: MW-20D Lab Sample ID: 680-143982-4

Date Collected: 10/03/17 14:32

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 17:31	JCK	TAL SAV

Client Sample ID: MW-23D Lab Sample ID: 680-143982-5

Date Collected: 10/03/17 15:38

Matrix: Water

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 17:45	JCK	TAL SAV

Client Sample ID: MW-38L Lab Sample ID: 680-143982-6

Date Collected: 10/03/17 16:18 Matrix: Water

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV	_

Lab Chronicle

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-38L Lab Sample ID: 680-143982-6

Date Collected: 10/03/17 16:18 Matrix: Water

Date Received: 10/05/17 09:05

Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8081B/8082A 497714 10/09/17 18:00 JCK TAL SAV

Client Sample ID: MW-31L Lab Sample ID: 680-143982-7

Date Collected: 10/03/17 16:54

Matrix: Water

Date Received: 10/05/17 09:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 18:14	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program AFCEE	EPA Region	- Identification Number SAVLAB	Expiration Date
Alabama		4	41450	06-30-18
	State Program		41430	
Alaska	State Program	10	LIOT 404	06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
lowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4 4	TN02961	06-30-17
Texas	NELAP	6	T104704185-16-9	11-30-17
		6	T104704185	06-30-18
Texas	State Program	U	LE058448-0	
US Fish & Wildlife	Federal			07-31-18
USDA	Federal	•	SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Job ID: 680-143982-1

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i estAmerica Savannah

5102 LaRoche Avenue Savannah, GA 31404

Chain of Custody Record



Client Information	Sampler:	11 11															Americ
Client Contact: Chris Hay	Sampler: Ga	11 Hay		lk o	PM: rsey, M	lichele	e R				Car	mier Tra	acking No	(s):		COC No:	H ENVIRONMENTAL (EST
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Phone: (336)763 -6025	PO #:				100		1 1			.				11		C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O4S
mail:	REGS0004					Pesticides		1	1-1					11		E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3
christopherh@envirotrac.com	₩O#:				8	esti.		1	1 1	ľ	H			\perp		G - Amchlor H - Ascorbic Acid	S - H2SO4
Seigy Chemical Corp.	Project #:				10 S	<u> </u>			1 1	ĺ	1 1					I - Ice J - DI Water	U - Acetone
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Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-143982-1

Login Number: 143982 List Source: TestAmerica Savannah

List Number: 1

Creator: Tyler, Matthew M

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-144018-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd. 7343 W. Friendly Avenue Suite J Greensboro, North Carolina 27410

Attn: Chris Hay

Michele R.Kersey

Authorized for release by: 10/16/2017 10:54:53 AM

Michele Kersey, Project Manager II (912)354-7858

michele.kersey@testamericainc.com

----- LINKS -----

Review your project results through **Total Access**

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Job ID: 680-144018-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-144018-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/6/2017 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 2.9° C.

PESTICIDES AND PCBS

Samples MW-32L (680-144018-1), PZ-5 (680-144018-2), MW-40L (680-144018-3), MW-36D (680-144018-4), MW-36L (680-144018-5), MW-27L (680-144018-6), MW-25L (680-144018-7) and MW-37L (680-144018-8) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/09/2017 and 10/11/2017 and analyzed on 10/10/2017 and 10/12/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497743.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-498061.

The following samples contained an allowable number of surrogate compounds outside limits: MW-32L (680-144018-1), PZ-5 (680-144018-2), MW-40L (680-144018-3), MW-36D (680-144018-4), MW-36L (680-144018-5), MW-27L (680-144018-6) and MW-25L (680-144018-7). These results have been reported and qualified.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch preparation batch 680-498061 and analytical batch 680-498285 recovered outside control limits. There was an issue with the LCS that resulted in low bias recoveries for are target analytes and surrogates. This low bias in the LCS and passing recoveries in the LCSD led to the RPD failures. Re-extraction of the sample would have been outside of hold times.

Samples MW-40L (680-144018-3)[5X], MW-27L (680-144018-6)[5X] and MW-37L (680-144018-8)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Sample Summary

 $Client: EnviroTrac, \, Ltd.$

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-144018-1	MW-32L	Water	10/04/17 09:53	10/06/17 09:00
680-144018-2	PZ-5	Water	10/04/17 10:37	10/06/17 09:00
680-144018-3	MW-40L	Water	10/04/17 11:04	10/06/17 09:00
680-144018-4	MW-36D	Water	10/04/17 12:02	10/06/17 09:00
680-144018-5	MW-36L	Water	10/04/17 13:15	10/06/17 09:00
680-144018-6	MW-27L	Water	10/04/17 14:36	10/06/17 09:00
680-144018-7	MW-25L	Water	10/04/17 15:41	10/06/17 09:00
680-144018-8	MW-37L	Water	10/04/17 16:36	10/06/17 09:00

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Method Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Method	Method Description	Protocol	Laboratory
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Qualifier Description

TestAmerica Job ID: 680-144018-1

Qualifiers

Qualifier

GC Semi VOA

U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

ND PQL

MDL

 ML

NC

Not Detected at the reporting limit (or MDL or EDL if shown) **Practical Quantitation Limit**

Quality Control QC

RER Relative Error Ratio (Radiochemistry)

Not Calculated

Method Detection Limit

Minimum Level (Dioxin)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-1

Matrix: Water

Date Collected: 10/04/17 09:53 Date Received: 10/06/17 09:00

Client Sample ID: MW-32L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		10/09/17 16:10	10/10/17 18:29	1
alpha-BHC	0.048	U	0.048	0.0075	ug/L		10/09/17 16:10	10/10/17 18:29	1
alpha-Chlordane	0.048	U	0.048	0.0096	ug/L		10/09/17 16:10	10/10/17 18:29	1
beta-BHC	0.048	U	0.048	0.012	ug/L		10/09/17 16:10	10/10/17 18:29	1
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		10/09/17 16:10	10/10/17 18:29	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		10/09/17 16:10	10/10/17 18:29	1
4,4'-DDT	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:29	1
delta-BHC	0.048	U	0.048	0.012	ug/L		10/09/17 16:10	10/10/17 18:29	1
Dieldrin	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endosulfan I	0.048	U	0.048	0.0079	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endosulfan II	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endosulfan sulfate	0.048	U	0.048	0.0080	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endrin ketone	0.048	U	0.048	0.0085	ug/L		10/09/17 16:10	10/10/17 18:29	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0080	ug/L		10/09/17 16:10	10/10/17 18:29	1
gamma-Chlordane	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:29	1
Heptachlor	0.048	U	0.048	0.0076	ug/L		10/09/17 16:10	10/10/17 18:29	1
Heptachlor epoxide	0.048	U	0.048	0.0078	ug/L		10/09/17 16:10	10/10/17 18:29	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		10/09/17 16:10	10/10/17 18:29	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/09/17 16:10	10/10/17 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		10 - 130				10/09/17 16:10	10/10/17 18:29	1
Tetrachloro-m-xylene	35	X	39 - 130				10/09/17 16:10	10/10/17 18:29	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-2

Matrix: Water

Date Collected: 10/04/17 10:37 Date Received: 10/06/17 09:00

Client Sample ID: PZ-5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0069	ug/L		10/09/17 16:10	10/10/17 19:00	1
alpha-BHC	0.59		0.048	0.0074	ug/L		10/09/17 16:10	10/10/17 19:00	1
alpha-Chlordane	0.048	U	0.048	0.0095	ug/L		10/09/17 16:10	10/10/17 19:00	1
beta-BHC	0.18		0.048	0.011	ug/L		10/09/17 16:10	10/10/17 19:00	1
4,4'-DDD	0.048	U	0.048	0.0073	ug/L		10/09/17 16:10	10/10/17 19:00	1
4,4'-DDE	0.048	U	0.048	0.0070	ug/L		10/09/17 16:10	10/10/17 19:00	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		10/09/17 16:10	10/10/17 19:00	1
delta-BHC	0.31		0.048	0.012	ug/L		10/09/17 16:10	10/10/17 19:00	1
Dieldrin	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endosulfan I	0.048	U	0.048	0.0078	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endrin ketone	0.017	J	0.048	0.0085	ug/L		10/09/17 16:10	10/10/17 19:00	1
gamma-BHC (Lindane)	0.11		0.048	0.0079	ug/L		10/09/17 16:10	10/10/17 19:00	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		10/09/17 16:10	10/10/17 19:00	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		10/09/17 16:10	10/10/17 19:00	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		10/09/17 16:10	10/10/17 19:00	1
Methoxychlor	0.048	U	0.048	0.0088	ug/L		10/09/17 16:10	10/10/17 19:00	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/09/17 16:10	10/10/17 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		10 - 130				10/09/17 16:10	10/10/17 19:00	1
Tetrachloro-m-xylene	32	X	39 - 130				10/09/17 16:10	10/10/17 19:00	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-3

Matrix: Water

Client Sample ID: MW-40L Date Collected: 10/04/17 11:04 Date Received: 10/06/17 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.046	U *	0.046	0.0067	ug/L		10/11/17 15:18	10/12/17 16:31	1
alpha-BHC	0.29	*	0.046	0.0072	ug/L		10/11/17 15:18	10/12/17 16:31	1
alpha-Chlordane	0.046	U *	0.046	0.0092	ug/L		10/11/17 15:18	10/12/17 16:31	1
beta-BHC	0.60	*	0.046	0.011	ug/L		10/11/17 15:18	10/12/17 16:31	1
4,4'-DDD	0.046	U *	0.046	0.0071	ug/L		10/11/17 15:18	10/12/17 16:31	1
4,4'-DDE	0.046	U *	0.046	0.0068	ug/L		10/11/17 15:18	10/12/17 16:31	1
4,4'-DDT	0.046	U *	0.046	0.0078	ug/L		10/11/17 15:18	10/12/17 16:31	1
delta-BHC	1.0	*	0.23	0.060	ug/L		10/11/17 15:18	10/12/17 16:59	5
Dieldrin	0.019	J *	0.046	0.0079	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endosulfan I	0.046	U *	0.046	0.0076	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endosulfan II	0.046	U *	0.046	0.0078	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endosulfan sulfate	0.046	U *	0.046	0.0077	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endrin	0.046	U *	0.046	0.0081	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endrin aldehyde	0.046	U *	0.046	0.016	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endrin ketone	0.052	*	0.046	0.0082	ug/L		10/11/17 15:18	10/12/17 16:31	1
gamma-BHC (Lindane)	0.038	J *	0.046	0.0077	ug/L		10/11/17 15:18	10/12/17 16:31	1
gamma-Chlordane	0.046	U *	0.046	0.0078	ug/L		10/11/17 15:18	10/12/17 16:31	1
Heptachlor	0.046	U *	0.046	0.0073	ug/L		10/11/17 15:18	10/12/17 16:31	1
Heptachlor epoxide	0.046	U *	0.046	0.0075	ug/L		10/11/17 15:18	10/12/17 16:31	1
Methoxychlor	0.046	U *	0.046	0.0086	ug/L		10/11/17 15:18	10/12/17 16:31	1
Toxaphene	4.6	U	4.6	0.18	ug/L		10/11/17 15:18	10/12/17 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	12		10 - 130				10/11/17 15:18	10/12/17 16:31	1
Tetrachloro-m-xylene	29	X	39 - 130				10/11/17 15:18	10/12/17 16:31	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-4

Matrix: Water

Client Sample ID: MW-36D Date Collected: 10/04/17 12:02

Date Received: 10/06/17 09:00

raphy Prepared	Analyzed	Dil Fac	
/09/17 16:10		1	
	10/10/17 18:41	1	
		1	
/09/17 16:10	10/10/17 18:41	1	
/09/17 16:10	10/10/17 18:41	1	
/09/17 16:10	10/10/17 18:41	1	
/09/17 16:10	10/10/17 18:41	1	
/09/17 16:10	10/10/17 18:41	1	
/09/17 16:10	10/10/17 18:41	1	
/09/17 16:10	10/10/17 18:41	1	
10011-1010			

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/09/17 16:10	10/10/17 18:41	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/09/17 16:10	10/10/17 18:41	1
alpha-Chlordane	0.014	J p	0.047	0.0094	ug/L		10/09/17 16:10	10/10/17 18:41	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/09/17 16:10	10/10/17 18:41	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/09/17 16:10	10/10/17 18:41	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/09/17 16:10	10/10/17 18:41	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:41	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/09/17 16:10	10/10/17 18:41	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endrin	0.047	U	0.047	0.0082	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		10/09/17 16:10	10/10/17 18:41	1
gamma-BHC (Lindane)	0.018	J	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:41	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:41	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/09/17 16:10	10/10/17 18:41	1
Heptachlor epoxide	0.012	J	0.047	0.0076	ug/L		10/09/17 16:10	10/10/17 18:41	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/09/17 16:10	10/10/17 18:41	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/09/17 16:10	10/10/17 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		10 - 130				10/09/17 16:10	10/10/17 18:41	1
Tetrachloro-m-xylene	29	X	39 - 130				10/09/17 16:10	10/10/17 18:41	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-5

Matrix: Water

Client Sample ID: MW-36L Date Collected: 10/04/17 13:15

Date Received: 10/06/17 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/09/17 16:10	10/10/17 18:58	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/09/17 16:10	10/10/17 18:58	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/09/17 16:10	10/10/17 18:58	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/09/17 16:10	10/10/17 18:58	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/09/17 16:10	10/10/17 18:58	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/09/17 16:10	10/10/17 18:58	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:58	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/09/17 16:10	10/10/17 18:58	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endrin	0.047	U	0.047	0.0082	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		10/09/17 16:10	10/10/17 18:58	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:58	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:58	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/09/17 16:10	10/10/17 18:58	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/09/17 16:10	10/10/17 18:58	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/09/17 16:10	10/10/17 18:58	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/09/17 16:10	10/10/17 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		10 - 130				10/09/17 16:10	10/10/17 18:58	1
Tetrachloro-m-xylene	28	X	39 - 130				10/09/17 16:10	10/10/17 18:58	1

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-6

Matrix: Water

Client Sample ID: MW-27L Date Collected: 10/04/17 14:36 Date Received: 10/06/17 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/09/17 16:10	10/10/17 17:51	1
alpha-BHC	0.63		0.047	0.0073	ug/L		10/09/17 16:10	10/10/17 17:51	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/09/17 16:10	10/10/17 17:51	1
beta-BHC	1.4		0.23	0.056	ug/L		10/09/17 16:10	10/10/17 19:15	5
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/09/17 16:10	10/10/17 17:51	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/09/17 16:10	10/10/17 17:51	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 17:51	1
delta-BHC	1.4		0.23	0.061	ug/L		10/09/17 16:10	10/10/17 19:15	5
Dieldrin	0.074		0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endrin ketone	0.11		0.047	0.0083	ug/L		10/09/17 16:10	10/10/17 17:51	1
gamma-BHC (Lindane)	0.11		0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 17:51	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 17:51	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/09/17 16:10	10/10/17 17:51	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/09/17 16:10	10/10/17 17:51	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/09/17 16:10	10/10/17 17:51	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/09/17 16:10	10/10/17 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		10 - 130				10/09/17 16:10	10/10/17 17:51	1
Tetrachloro-m-xylene	31	X	39 - 130				10/09/17 16:10	10/10/17 17:51	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-7

Matrix: Water

Client Sample ID: MW-25L Date Collected: 10/04/17 15:41 Date Received: 10/06/17 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/09/17 16:10	10/10/17 18:08	1
alpha-BHC	0.43		0.047	0.0074	ug/L		10/09/17 16:10	10/10/17 18:08	1
alpha-Chlordane	0.047	U	0.047	0.0095	ug/L		10/09/17 16:10	10/10/17 18:08	1
beta-BHC	0.33		0.047	0.011	ug/L		10/09/17 16:10	10/10/17 18:08	1
4,4'-DDD	0.047	U	0.047	0.0073	ug/L		10/09/17 16:10	10/10/17 18:08	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/09/17 16:10	10/10/17 18:08	1
4,4'-DDT	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:08	1
delta-BHC	0.72		0.047	0.012	ug/L		10/09/17 16:10	10/10/17 18:08	1
Dieldrin	0.013	J	0.047	0.0082	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endosulfan I	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endosulfan II	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endosulfan sulfate	0.047	U	0.047	0.0079	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endrin	0.047	U	0.047	0.0084	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endrin ketone	0.021	J	0.047	0.0085	ug/L		10/09/17 16:10	10/10/17 18:08	1
gamma-BHC (Lindane)	0.067		0.047	0.0079	ug/L		10/09/17 16:10	10/10/17 18:08	1
gamma-Chlordane	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:08	1
Heptachlor	0.047	U	0.047	0.0075	ug/L		10/09/17 16:10	10/10/17 18:08	1
Heptachlor epoxide	0.047	U	0.047	0.0077	ug/L		10/09/17 16:10	10/10/17 18:08	1
Methoxychlor	0.047	U	0.047	0.0088	ug/L		10/09/17 16:10	10/10/17 18:08	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/09/17 16:10	10/10/17 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		10 - 130				10/09/17 16:10	10/10/17 18:08	1
Tetrachloro-m-xylene	36	X	39 - 130				10/09/17 16:10	10/10/17 18:08	1

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-8

Matrix: Water

Client Sample ID: MW-37L Date Collected: 10/04/17 16:36

Date Received: 10/06/17 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		10/09/17 16:10	10/10/17 18:25	1
alpha-BHC	0.58		0.048	0.0075	ug/L		10/09/17 16:10	10/10/17 18:25	1
alpha-Chlordane	0.048	U	0.048	0.0096	ug/L		10/09/17 16:10	10/10/17 18:25	1
beta-BHC	0.53		0.048	0.012	ug/L		10/09/17 16:10	10/10/17 18:25	1
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		10/09/17 16:10	10/10/17 18:25	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		10/09/17 16:10	10/10/17 18:25	1
4,4'-DDT	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:25	1
delta-BHC	1.1		0.24	0.062	ug/L		10/09/17 16:10	10/10/17 19:31	5
Dieldrin	0.020	J	0.048	0.0083	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endosulfan I	0.048	U	0.048	0.0079	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endosulfan II	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endosulfan sulfate	0.048	U	0.048	0.0080	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endrin ketone	0.036	J	0.048	0.0085	ug/L		10/09/17 16:10	10/10/17 18:25	1
gamma-BHC (Lindane)	0.095		0.048	0.0080	ug/L		10/09/17 16:10	10/10/17 18:25	1
gamma-Chlordane	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:25	1
Heptachlor	0.048	U	0.048	0.0076	ug/L		10/09/17 16:10	10/10/17 18:25	1
Heptachlor epoxide	0.048	U	0.048	0.0078	ug/L		10/09/17 16:10	10/10/17 18:25	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		10/09/17 16:10	10/10/17 18:25	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/09/17 16:10	10/10/17 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		10 - 130				10/09/17 16:10	10/10/17 18:25	1
Tetrachloro-m-xylene	40		39 - 130				10/09/17 16:10	10/10/17 18:25	1

TestAmerica Job ID: 680-144018-1

Prep Batch: 497743

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-497743/20-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 497937

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		10/09/17 16:10	10/10/17 15:53	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		10/09/17 16:10	10/10/17 15:53	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		10/09/17 16:10	10/10/17 15:53	1
beta-BHC	0.050	U	0.050	0.012	ug/L		10/09/17 16:10	10/10/17 15:53	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		10/09/17 16:10	10/10/17 15:53	1
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		10/09/17 16:10	10/10/17 15:53	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		10/09/17 16:10	10/10/17 15:53	1
delta-BHC	0.050	U	0.050	0.013	ug/L		10/09/17 16:10	10/10/17 15:53	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endrin	0.050	U	0.050	0.0088	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		10/09/17 16:10	10/10/17 15:53	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		10/09/17 16:10	10/10/17 15:53	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		10/09/17 16:10	10/10/17 15:53	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		10/09/17 16:10	10/10/17 15:53	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		10/09/17 16:10	10/10/17 15:53	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		10/09/17 16:10	10/10/17 15:53	1
Toxaphene	5.0	U	5.0	0.19	ug/L		10/09/17 16:10	10/10/17 15:53	1

	MB I	MB			
Surrogate	%Recovery (Qualifier Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90	10 - 130	10/09/17 16:10	10/10/17 15:53	1
Tetrachloro-m-xvlene	53	39 - 130	10/09/17 16:10	10/10/17 15:53	1

Lab Sample ID: LCS 680-497743/21-A

Matrix: Water

Analysis Batch: 497937							Prep Batch: 497	743
-	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aldrin	0.100	0.0674		ug/L		67	48 - 130	
alpha-BHC	0.100	0.0729		ug/L		73	45 - 130	
alpha-Chlordane	0.100	0.0777		ug/L		78	60 - 130	
beta-BHC	0.100	0.0824		ug/L		82	50 - 130	
4,4'-DDD	0.100	0.0850		ug/L		85	52 - 130	
4,4'-DDE	0.100	0.0790		ug/L		79	48 - 130	
4,4'-DDT	0.100	0.0912		ug/L		91	59 - 130	
delta-BHC	0.100	0.0868		ug/L		87	47 - 140	
Dieldrin	0.100	0.0822		ug/L		82	55 ₋ 130	
Endosulfan I	0.100	0.0669		ug/L		67	27 - 130	
Endosulfan II	0.100	0.0749		ug/L		75	39 - 130	
Endosulfan sulfate	0.100	0.0831		ug/L		83	57 ₋ 130	
Endrin	0.100	0.0844		ug/L		84	62 - 131	
Endrin aldehyde	0.100	0.102		ug/L		102	39 - 177	
Endrin ketone	0.100	0.0855		ua/L		85	47 - 130	

TestAmerica Savannah

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: LCS 680-497743/21-A

Matrix: Water

Analysis Batch: 497937

Client Sample	ID: Lab	Control	Sample

Prep Type: Total/NA

Prep Batch: 497743 LCS LCS Spike %Rec. Added Qualifier Unit %Rec Limits Result

gamma-BHC (Lindane) 0.100 0.0757 76 47 - 130 ug/L 76 gamma-Chlordane 0.100 0.0763 50 - 145 ug/L Heptachlor 0.100 0.0690 ug/L 69 49 - 130 Heptachlor epoxide 0.100 0.0776 ug/L 78 54 - 130 Methoxychlor 0.100 0.0926 ug/L 93 53 - 130

LCS LCS Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl 10 - 130 79 Tetrachloro-m-xylene 50 39 - 130

Lab Sample ID: LCSD 680-497743/22-A

Matrix: Water

Endosulfan II

Endrin

Endosulfan sulfate

Endrin aldehyde

gamma-BHC (Lindane)

gamma-Chlordane

Heptachlor epoxide

Endrin ketone

Heptachlor

Methoxychlor

Client Sample ID: Lab Control Sample Dup

74

82

86

101

84

73

73

68

76

39 - 130

57 - 130

62 - 131

39 _ 177

47 - 130

47 - 130

50 - 145

49 - 130

54 - 130

53 - 130

Prep Type: Total/NA

30

40

30

40

40

30

50

30

40

40

Analysis Batch: 497937 Prep Batch: 497743 Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Aldrin 0.100 0.0663 66 48 - 130 2 40 ug/L alpha-BHC 0.0716 45 - 130 0.100 ug/L 72 2 30 alpha-Chlordane 0.100 0.0749 ug/L 75 60 - 130 50 50 - 130 beta-BHC 0.100 0.0794 ug/L 79 40 4,4'-DDD 0.100 0.0824 ug/L 82 52 - 130 3 40 4,4'-DDE 77 0.100 0.0767 ug/L 48 - 130 3 30 4,4'-DDT 0.0895 40 0.100 ug/L 59 - 130 delta-BHC 0.100 0.0831 83 47 _ 140 30 ug/L Dieldrin 0.100 0.0804 80 55 - 130 30 ug/L 65 0.100 0.0653 27 - 130 30 Endosulfan I ug/L

0.0738

0.0823

0.0856

0.0844

0.0734

0.0731

0.0684

0.0758

0.0931

0.101

ug/L

0.100

0.100

0.100

0.100

0.100

0.100

0.100

0.100

0.100

0.100

LCSD LCSD Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl 10 - 130 70 Tetrachloro-m-xylene 46 39 - 130

Lab Sample ID: MB 680-498061/2-A

Matrix: Water

Analysis Batch: 498285

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 498061**

мв мв Analyte Result Qualifier RL Unit Prepared Analyzed 10/12/17 15:48 Aldrin 0.013 U 0.013 0.0018 ug/L 10/11/17 15:18

TestAmerica Job ID: 680-144018-1

Client: EnviroTrac, Ltd. Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: MB 680-498061/2-A

Analysis Batch: 498285

Matrix: Water

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 498061

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	0.013	U	0.013	0.0020	ug/L		10/11/17 15:18	10/12/17 15:48	1
alpha-Chlordane	0.013	U	0.013	0.0025	ug/L		10/11/17 15:18	10/12/17 15:48	1
beta-BHC	0.013	U	0.013	0.0030	ug/L		10/11/17 15:18	10/12/17 15:48	1
4,4'-DDD	0.013	U	0.013	0.0019	ug/L		10/11/17 15:18	10/12/17 15:48	1
4,4'-DDE	0.013	U	0.013	0.0019	ug/L		10/11/17 15:18	10/12/17 15:48	1
4,4'-DDT	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
delta-BHC	0.013	U	0.013	0.0033	ug/L		10/11/17 15:18	10/12/17 15:48	1
Dieldrin	0.013	U	0.013	0.0022	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endosulfan I	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endosulfan II	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endosulfan sulfate	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endrin	0.013	U	0.013	0.0022	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endrin aldehyde	0.013	U	0.013	0.0043	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endrin ketone	0.013	U	0.013	0.0022	ug/L		10/11/17 15:18	10/12/17 15:48	1
gamma-BHC (Lindane)	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
gamma-Chlordane	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
Heptachlor	0.013	U	0.013	0.0020	ug/L		10/11/17 15:18	10/12/17 15:48	1
Heptachlor epoxide	0.013	U	0.013	0.0020	ug/L		10/11/17 15:18	10/12/17 15:48	1
Methoxychlor	0.013	U	0.013	0.0023	ug/L		10/11/17 15:18	10/12/17 15:48	1
Toxaphene	1.3	U	1.3	0.048	ug/L		10/11/17 15:18	10/12/17 15:48	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		10 - 130	10/11/17 15:18	10/12/17 15:48	1
Tetrachloro-m-xylene	60		39 - 130	10/11/17 15:18	10/12/17 15:48	1

Lab Sample ID: LCS 680-498061/3-A

Matrix: Water

Analysis Batch: 498285

Client Sample II	D: Lab Control Sample
	Prop Type: Total/NA

Prep Batch: 498061

•	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Aldrin	0.0250	0.00309	J *	ug/L		12	48 - 130
alpha-BHC	0.0250	0.00207	J *	ug/L		8	45 - 130
alpha-Chlordane	0.0250	0.00315	J *	ug/L		13	60 - 130
beta-BHC	0.0250	0.013	U *	ug/L		9	50 - 130
4,4'-DDD	0.0250	0.00393	J p *	ug/L		16	52 - 130
4,4'-DDE	0.0250	0.00301	J *	ug/L		12	48 - 130
4,4'-DDT	0.0250	0.00272	J *	ug/L		11	59 - 130
delta-BHC	0.0250	0.013	U *	ug/L		8	47 - 140
Dieldrin	0.0250	0.00269	J *	ug/L		11	55 _ 130
Endosulfan I	0.0250	0.00234	J *	ug/L		9	27 - 130
Endosulfan II	0.0250	0.00249	J *	ug/L		10	39 _ 130
Endosulfan sulfate	0.0250	0.00259	J *	ug/L		10	57 _ 130
Endrin	0.0250	0.00265	J *	ug/L		11	62 _ 131
Endrin aldehyde	0.0250	0.013	U *	ug/L		8	39 _ 177
Endrin ketone	0.0250	0.00285	J *	ug/L		11	47 - 130
gamma-BHC (Lindane)	0.0250	0.013	U *	ug/L		8	47 - 130
gamma-Chlordane	0.0250	0.00352	J *	ug/L		14	50 - 145

TestAmerica Savannah

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TestAmerica Job ID: 680-144018-1

Client: EnviroTrac, Ltd. Project/Site: Geigy Chemical Corp. / 11.990010.00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

%Recovery Qualifier

8 X

12 X

Lab Sample ID: LCS 680-498061/3-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 498285 Prep Batch: 498061 Spike LCS LCS %Rec. Added Result Qualifier Unit %Rec Heptachlor 0.0250 0.00291 J* 12 ug/L 49 - 130 0.00276 J* Heptachlor epoxide 0.0250 54 - 130 ug/L 11 Methoxychlor 0.0250 0.00288 J* ug/L 12 53 - 130 LCS LCS

Limits

10 - 130

39 - 130

Lab Sample ID: LCSD 680-498061/4-A

Matrix: Water

Surrogate

Analysis Batch: 498285

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 498061

Analysis Batch: 498285							Prepi	Batch: 4	98061
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aldrin	0.0250	0.0142	*	ug/L		57	48 - 130	128	40
alpha-BHC	0.0250	0.0168	*	ug/L		67	45 - 130	156	30
alpha-Chlordane	0.0250	0.0175	*	ug/L		70	60 - 130	139	50
beta-BHC	0.0250	0.0183	*	ug/L		73	50 - 130	157	40
4,4'-DDD	0.0250	0.0201	*	ug/L		81	52 - 130	135	40
4,4'-DDE	0.0250	0.0162	*	ug/L		65	48 - 130	138	30
4,4'-DDT	0.0250	0.0167	*	ug/L		67	59 - 130	144	40
delta-BHC	0.0250	0.0175	*	ug/L		70	47 - 140	157	30
Dieldrin	0.0250	0.0174	*	ug/L		70	55 - 130	147	30
Endosulfan I	0.0250	0.0151	*	ug/L		60	27 - 130	146	30
Endosulfan II	0.0250	0.0159	*	ug/L		64	39 - 130	146	30
Endosulfan sulfate	0.0250	0.0175	*	ug/L		70	57 - 130	149	40
Endrin	0.0250	0.0173	*	ug/L		69	62 - 131	147	30
Endrin aldehyde	0.0250	0.0191	*	ug/L		76	39 - 177	161	40
Endrin ketone	0.0250	0.0197	*	ug/L		79	47 - 130	150	40
gamma-BHC (Lindane)	0.0250	0.0173	*	ug/L		69	47 - 130	157	30
gamma-Chlordane	0.0250	0.0169	*	ug/L		68	50 - 145	131	50
Heptachlor	0.0250	0.0140	*	ug/L		56	49 - 130	131	30
Heptachlor epoxide	0.0250	0.0176	*	ug/L		71	54 - 130	146	40
Methoxychlor	0.0250	0.0181	*	ug/L		72	53 - 130	145	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	51		10 - 130
Tetrachloro-m-xylene	49		39 - 130

QC Association Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

GC Semi VOA

Prep Batch: 497743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-1	MW-32L	Total/NA	Water	3520C	
680-144018-2	PZ-5	Total/NA	Water	3520C	
680-144018-4	MW-36D	Total/NA	Water	3520C	
680-144018-5	MW-36L	Total/NA	Water	3520C	
680-144018-6	MW-27L	Total/NA	Water	3520C	
680-144018-7	MW-25L	Total/NA	Water	3520C	
680-144018-8	MW-37L	Total/NA	Water	3520C	
MB 680-497743/20-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497743/21-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497743/22-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 497905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-4	MW-36D	Total/NA	Water	8081B/8082A	497743
680-144018-5	MW-36L	Total/NA	Water	8081B/8082A	497743
680-144018-6	MW-27L	Total/NA	Water	8081B/8082A	497743
680-144018-6	MW-27L	Total/NA	Water	8081B/8082A	497743
680-144018-7	MW-25L	Total/NA	Water	8081B/8082A	497743
680-144018-8	MW-37L	Total/NA	Water	8081B/8082A	497743
680-144018-8	MW-37L	Total/NA	Water	8081B/8082A	497743

Analysis Batch: 497937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-1	MW-32L	Total/NA	Water	8081B/8082A	497743
680-144018-2	PZ-5	Total/NA	Water	8081B/8082A	497743
MB 680-497743/20-A	Method Blank	Total/NA	Water	8081B/8082A	497743
LCS 680-497743/21-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497743
LCSD 680-497743/22-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497743

Prep Batch: 498061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-3	MW-40L	Total/NA	Water	3520C	<u> </u>
MB 680-498061/2-A	Method Blank	Total/NA	Water	3520C	
LCS 680-498061/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-498061/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 498285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-3	MW-40L	Total/NA	Water	8081B/8082A	498061
680-144018-3	MW-40L	Total/NA	Water	8081B/8082A	498061
MB 680-498061/2-A	Method Blank	Total/NA	Water	8081B/8082A	498061
LCS 680-498061/3-A	Lab Control Sample	Total/NA	Water	8081B/8082A	498061
LCSD 680-498061/4-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	498061

TestAmerica Savannah

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Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

Client Sample ID: MW-32L

Lab Sample ID: 680-144018-1

Matrix: Water

Date Collected: 10/04/17 09:53 Date Received: 10/06/17 09:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497937	10/10/17 18:29	JCK	TAL SAV

Lab Sample ID: 680-144018-2

Matrix: Water

Date Collected: 10/04/17 10:37 Date Received: 10/06/17 09:00

Client Sample ID: PZ-5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497937	10/10/17 19:00	JCK	TAL SAV

Client Sample ID: MW-40L Lab Sample ID: 680-144018-3

Date Collected: 10/04/17 11:04 **Matrix: Water**

Date Received: 10/06/17 09:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			498061	10/11/17 15:18	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498285	10/12/17 16:31	JCK	TAL SAV
Total/NA	Prep	3520C			498061	10/11/17 15:18	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	498285	10/12/17 16:59	JCK	TAL SAV

Client Sample ID: MW-36D Lab Sample ID: 680-144018-4

Date Collected: 10/04/17 12:02 **Matrix: Water**

Date Received: 10/06/17 09:00

Analysis

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497905	10/10/17 18:41	JCK	TAL SAV

Client Sample ID: MW-36L Lab Sample ID: 680-144018-5

Date Collected: 10/04/17 13:15 Matrix: Water Date Received: 10/06/17 09:00

10/10/17 18:58

JCK

TAL SAV

Batch Dilution Batch Batch Prepared Prep Type Туре Method Factor Number or Analyzed Analyst Run Lab TAL SAV Total/NA Prep 3520C 497743 10/09/17 16:10 CEW Total/NA 8081B/8082A 497905

Lab Chronicle

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Lab Sample ID: 680-144018-6

Matrix: Water

Date Collected: 10/04/17 14:36 Date Received: 10/06/17 09:00

Client Sample ID: MW-27L

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497905	10/10/17 17:51	JCK	TAL SAV
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497905	10/10/17 19:15	JCK	TAL SAV

Client Sample ID: MW-25L Lab Sample ID: 680-144018-7

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Prep Total/NA 3520C 497743 10/09/17 16:10 CEW TAL SAV Total/NA Analysis 8081B/8082A 497905 10/10/17 18:08 JCK TAL SAV

Lab Sample ID: 680-144018-8 Client Sample ID: MW-37L

Date Collected: 10/04/17 16:36 **Matrix: Water**

Date Received: 10/06/17 09:00

Date Collected: 10/04/17 15:41

Date Received: 10/06/17 09:00

=	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497905	10/10/17 18:25	JCK	TAL SAV
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497905	10/10/17 19:31	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program AFCEE	EPA Region	- Identification Number SAVLAB	Expiration Date	
Alabama		4			
Alabama	State Program	4	41450	06-30-18	
Alaska	State Program	10		06-30-18	
Alaska (UST)	State Program	10	UST-104	11-05-17 *	
Arizona	State Program	9	AZ808	12-14-17	
Arkansas DEQ	State Program	6	88-0692	02-01-18	
California	State Program	9	2939	06-30-18	
Colorado	State Program	8	N/A	12-31-17	
Connecticut	State Program	1	PH-0161	03-31-19	
Florida	NELAP	4	E87052	06-30-18	
GA Dept. of Agriculture	State Program	4	N/A	06-12-18	
Georgia	State Program	4	803	06-30-18	
Guam	State Program	9	15-005r	04-16-18	
Hawaii	State Program	9	N/A	06-30-18	
Illinois	NELAP	5	200022	11-30-17	
Indiana	State Program	5	N/A	06-30-18	
lowa	State Program	7	353	06-30-19	
Kentucky (DW)	State Program	4	90084	12-31-17	
Kentucky (UST)	State Program	4	18	06-30-18	
Kentucky (WW)	State Program	4	90084	12-31-17	
L-A-B	DoD ELAP		L2463	09-22-19	
L-A-B	ISO/IEC 17025		L2463.01	09-22-19	
Louisiana	NELAP	6	30690	06-30-18	
Louisiana (DW)	NELAP	6	LA160019	12-31-17	
Maine	State Program	1	GA00006	09-24-18	
Maryland	State Program	3	250	12-31-17	
Massachusetts	State Program	1	M-GA006	06-30-18	
Michigan	State Program	5	9925	06-30-17 *	
Mississippi	State Program	4	N/A	06-30-18	
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18	
New Jersey	NELAP	2	GA769	06-30-18	
New Mexico	State Program	6	N/A	06-30-18	
New York	NELAP	2	10842	03-31-18	
North Carolina (DW)	State Program		13701	07-31-18	
North Carolina (WW/SW)	State Program	4	269	12-31-17	
Oklahoma	State Program	6	9984	08-31-18	
Pennsylvania	NELAP	3	68-00474	06-30-18	
Puerto Rico	State Program	2	GA00006	12-31-17	
South Carolina	State Program	4	98001	06-30-17 *	
				06-30-17	
Tennessee	State Program NELAP	4	TN02961 T104704185-16-9		
Texas		6		11-30-17	
Texas	State Program	6	T104704185	06-30-18	
US Fish & Wildlife	Federal		LE058448-0	07-31-18	
JSDA ,,	Federal		SAV 3-04	06-14-20 *	
Virginia	NELAP	3	460161	06-14-18	
Washington	State Program	10	C805	06-10-18	
West Virginia (DW)	State Program	3	9950C	12-31-17	
West Virginia DEP	State Program	3	094	06-30-18	
Wisconsin	State Program	5	999819810	08-31-18	
Wyoming	State Program	8	8TMS-L	06-30-16 *	

^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

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TestAmerica Savannah

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TestAmerica Savannah

5102 LaRoche Avenue Savannah, GA 31404

Chain of Custody Record



Phone (912) 354-7858 Fax (912) 352-0165														THE LEADER IN EN	VIRONMENTAL TESTING	
Client Information (all) Hay Ke			Lab Ker	PM: sey, Michele R				Ca	rrier Track	ing No(s):		COC No: 680-86756-35154	1.2			
Client Contact: Chris Hay	Phone: 336	Phone: 221 -7/7 /-0-25 E-M			iii: nele.kersey@testamericainc.com								Page: Page 2 of 7			
Company: EnviroTrac, Ltd.									Analysis	Requ	ested			Job #:		
Address: 7343 W. Friendly Avenue Suite J	Due Date Request	ed: Sta	d										1 18	Preservation Code		
City: Greensboro	TAT Requested (d	TAT Requested (days):												A - HCL B - NaOH C - Zn Acetate	M - Hexane N - None O - AsNaO2	
State, Zip: NC, 27410														D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3	
Phone: (336)763-6025	PO #: REGS0004				(0)	Pesticides									R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate	
Email: christopherh@envirotrac.com	WO#:				10 10	e Pe						1 1	40		U - Acetone V - MCAA	
Project Name: Geigy Chemical Corp.	Project #: 68006251				(Yes	Routine	Sublist					container	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)		
Sile: Geigy 11.990010.00	SSOW#:													Other:		
Sample Identification	Sample Date	Sample Time		Matrix (W-water, 5-soli O-waste/oil, 8T=Tissue, A-Air	몽불	8081B_8082A -	8260B - (MOD)	160.2 - Local Method					Total Number	Special Ins	tructions/Note:	
1.14-22/	10:4.17	262		tion Code: Water	H	X	-	N	++ !			1 -	X			
MW-32L PZ-5	10.4.11	1037	9	Water	H	+	-	+	++			-	100		H	
MW-40L		1104		Water	+	X	-		++			-	1 100		0	
MW-26D				Water	+	1	-		++		ustody	-		N	BEA	
MW-36L		1315		Water	+	X	-				= 0	1	1 100	325		
		1436		Water	+	X	-		+ [ain of	+		823	4	
MW-27L				Water	H	X	+		- 1		8 Cha	++-	1 8		S	
MW-25L	_	1541			₩	1	-				44018	++	1 10	-	N. C.	
MW-37L		1616		Water	+	X	+		+		680-1	++			-5-	
			-	Water	+	+	+		+		- 6	-	100			
				Water	+	-	-		++-	+	++	++				
Possible Hazard Identification Non-Hazard Flammable Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)	Poison B Unkno	own \square_F	Radiological			\Box_F	Return	To Cli	A fee may ent /QC Requir	Disp	oosal By	samples a		ned longer than 1	month) Months	
Empty Kit Relinquished by:		Date:			Time	:	_			-	Method	of Shipment				
Relinquished by:	Date/Time:	8:	30	Company ENUI	OTVE	Rec	eived t	Fue	JEX			Date/Tim	e:		Company	
Relinquished by:	Date/Time:			Company	/	-	eived t	y. C	KCM.	-	2	Date/Ten	9615	2 Mone	Company /	
Relinquished by;	Date/Time:			Company	-	Béc	eived t	200 0	CHE		-0	Date/Tim	e:	()140	Company	
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No						Coc	oler Ter	peratur 2	e(s) °C and O	ther Rem	300	242	5			

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-144018-1

Login Number: 144018 List Source: TestAmerica Savannah

List Number: 1

Creator: Edwards, Jessica R

oroatori Editardo, occorda it		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No sample date on COC, logged in per container labels.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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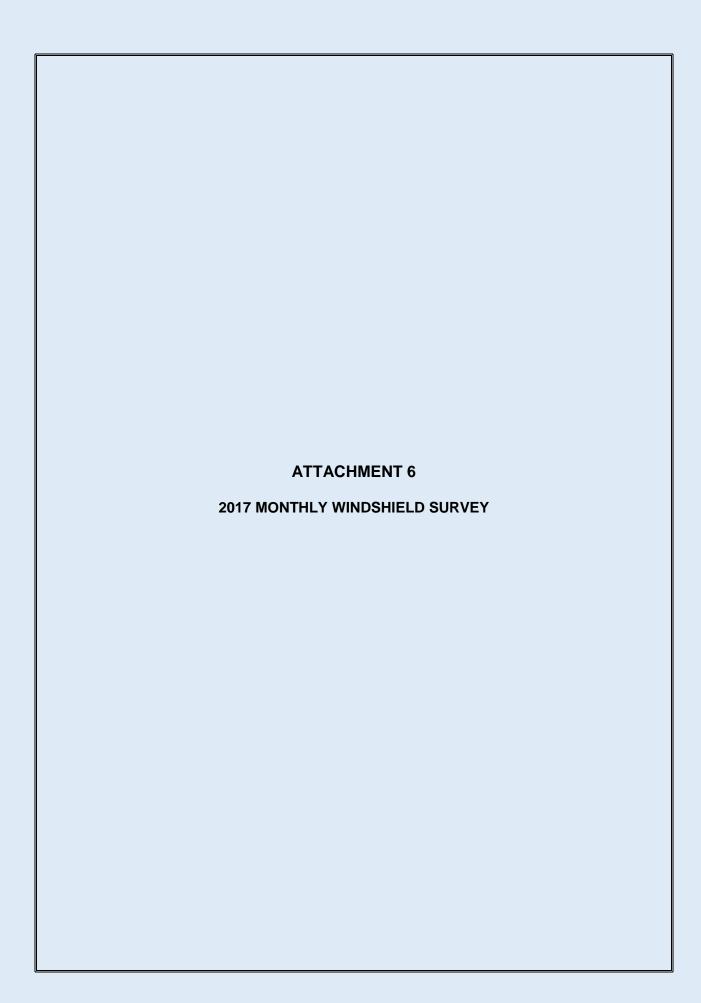
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Reconnaissance for New Construction within Area of Plume

 Project:
 Geigy Superfund Site

 Date:
 January to December 2017

Location: Aberdeen, NC Data Collected by: CWH

Project No.: 11.990010.00

Date	Address	Property Description	
01/27/17		No observed change	
02/28/17		No observed change	
03/27/17		No observed change	
04/25/17		No observed change	
05/30/17		No observed change	
06/26/17		No observed change	
07/12/17		No observed change	
08/23/17		No observed change	
09/28/17		No observed change	
10/03/17		No observed change	
11/27/17		No observed change	
12/14/17		No observed change	